

Figure 1

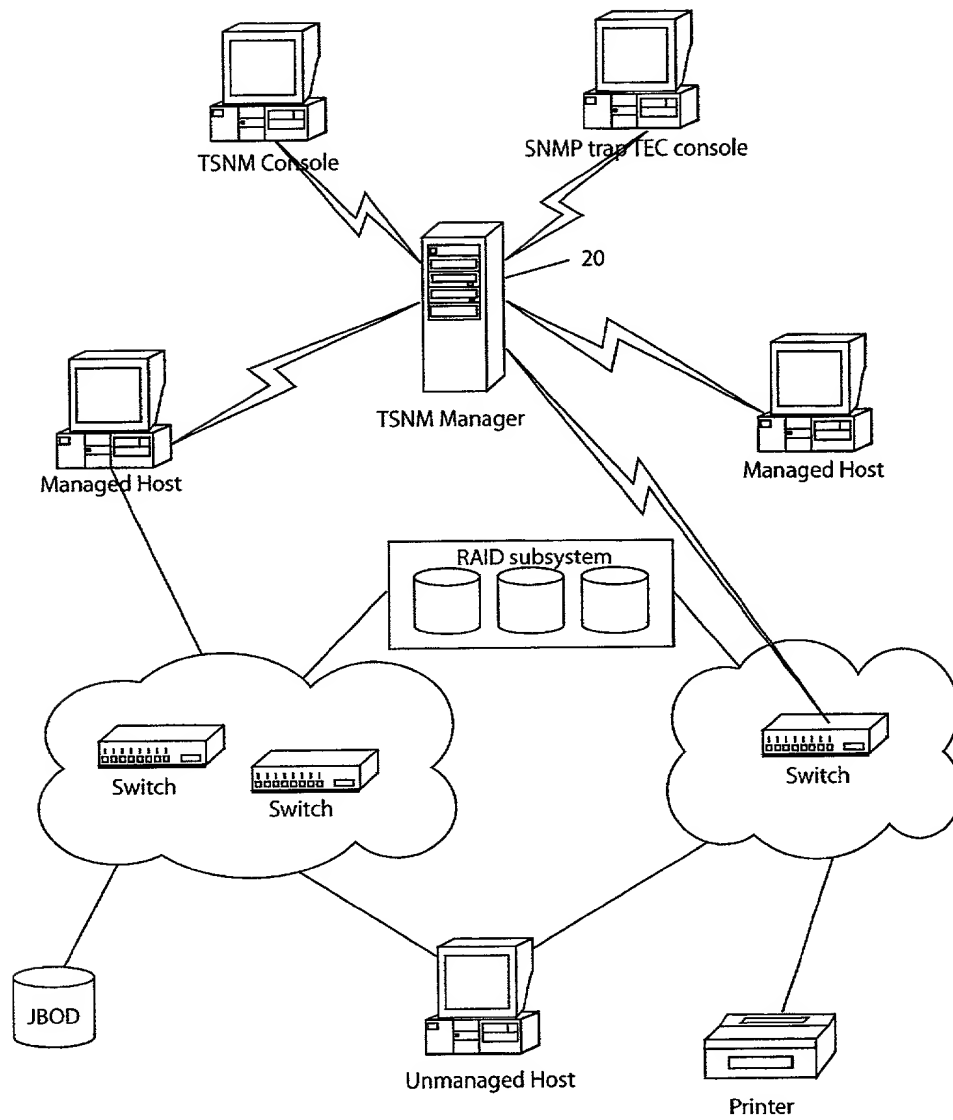


Figure 2

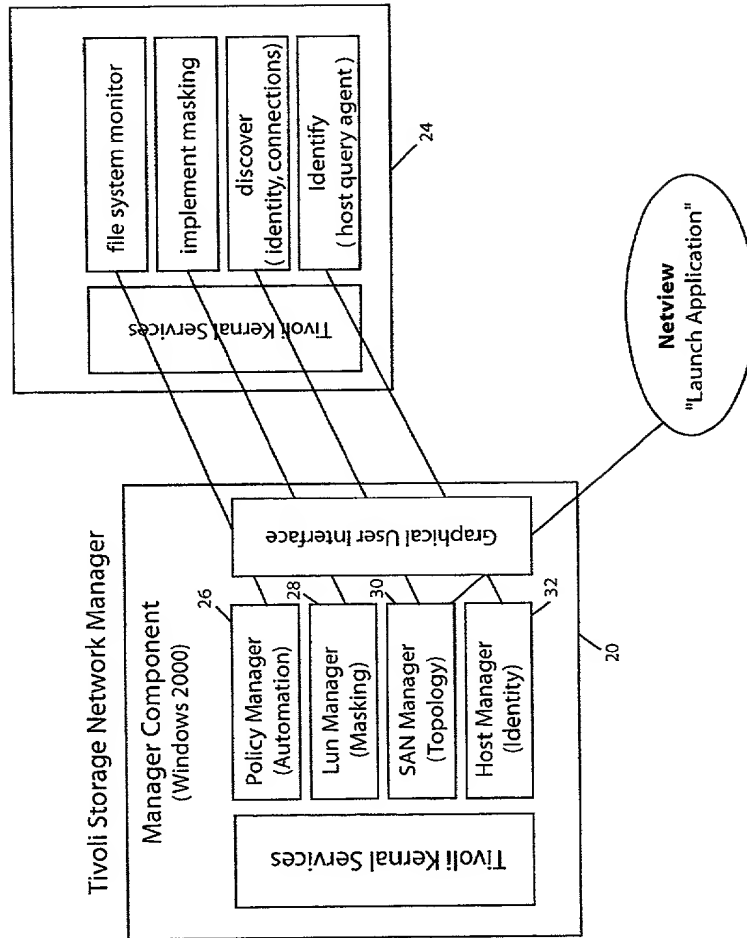


Figure 3

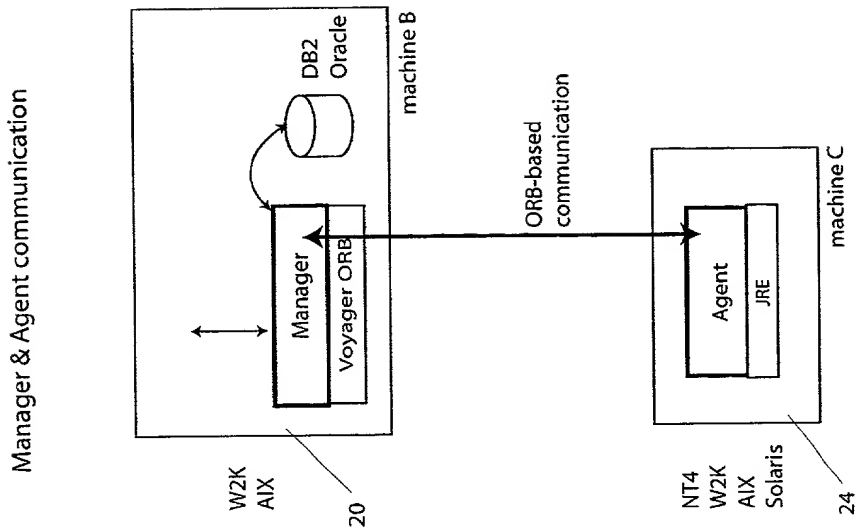


Figure 4

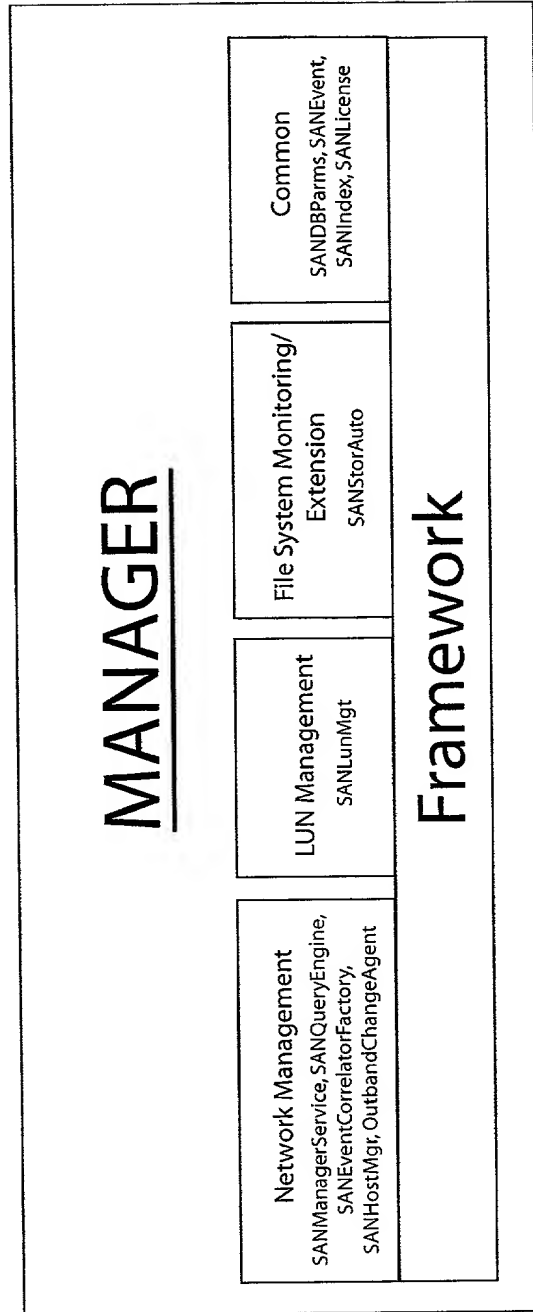
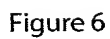


Figure 5



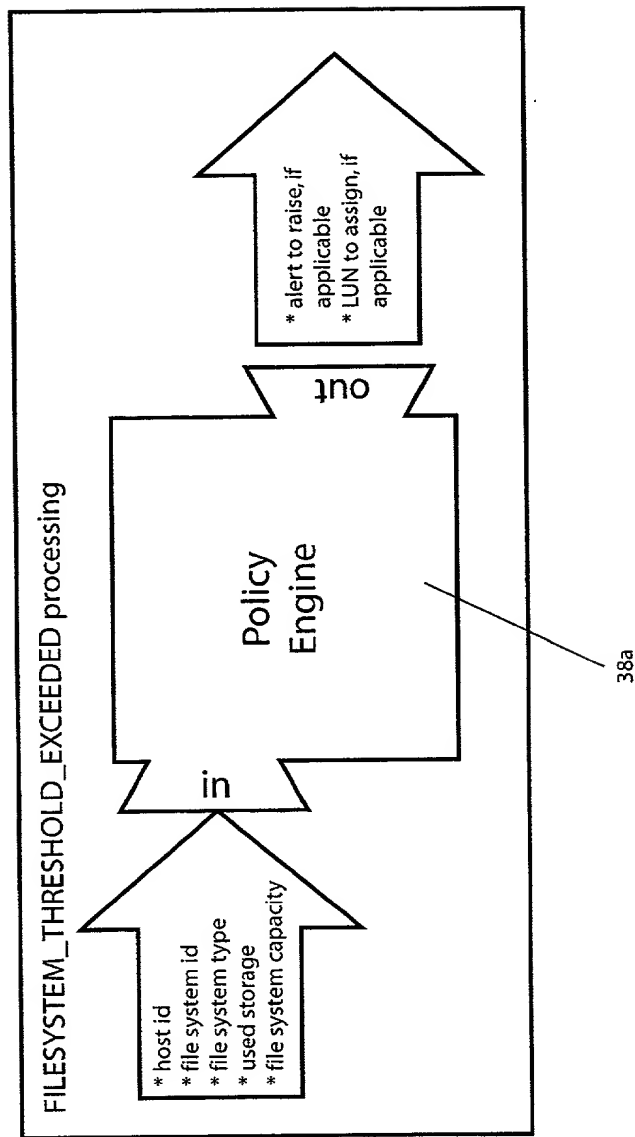


Figure 7A

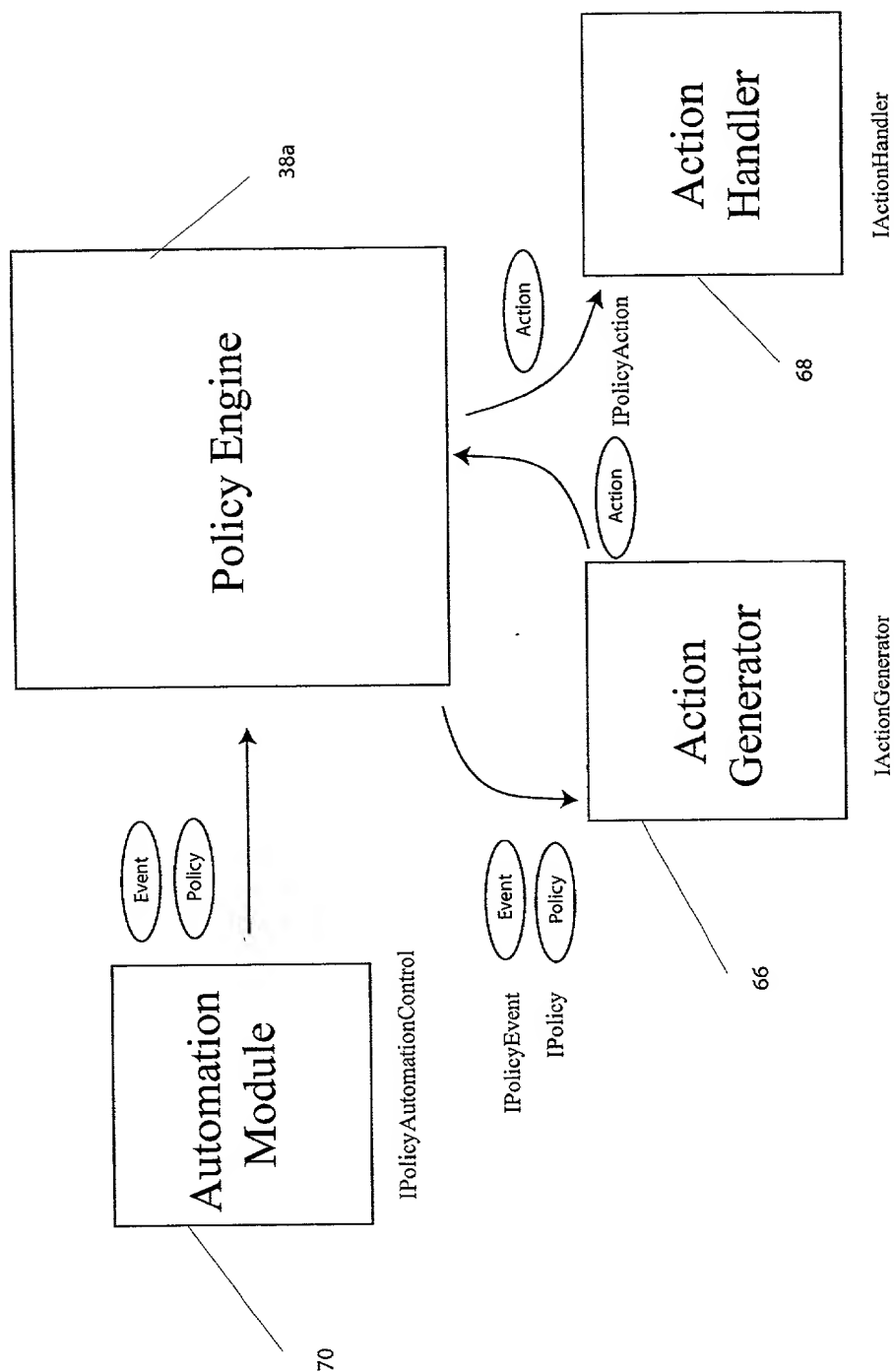


Figure 7B

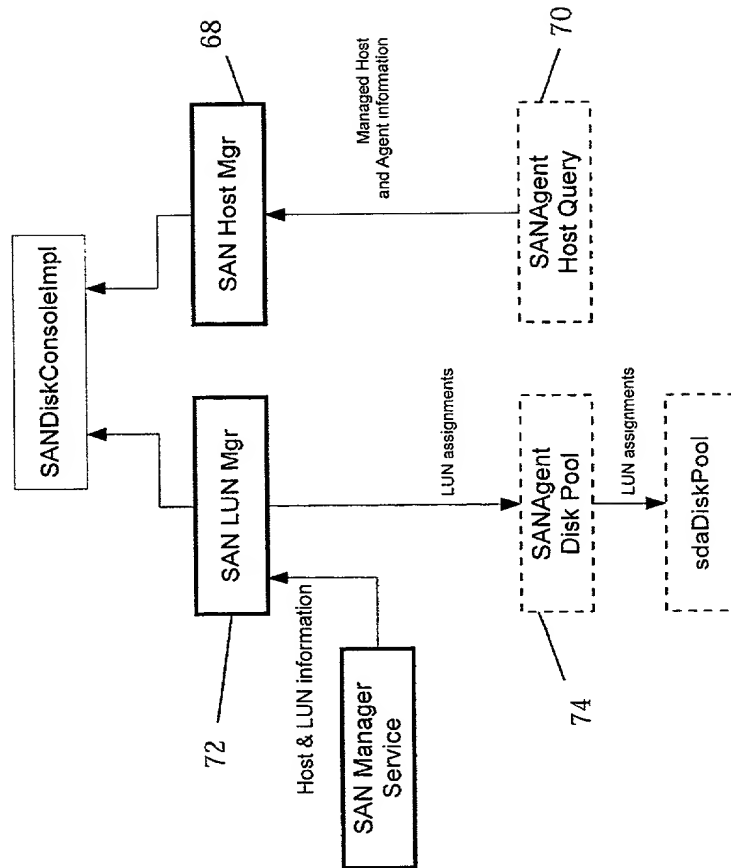


Figure 8

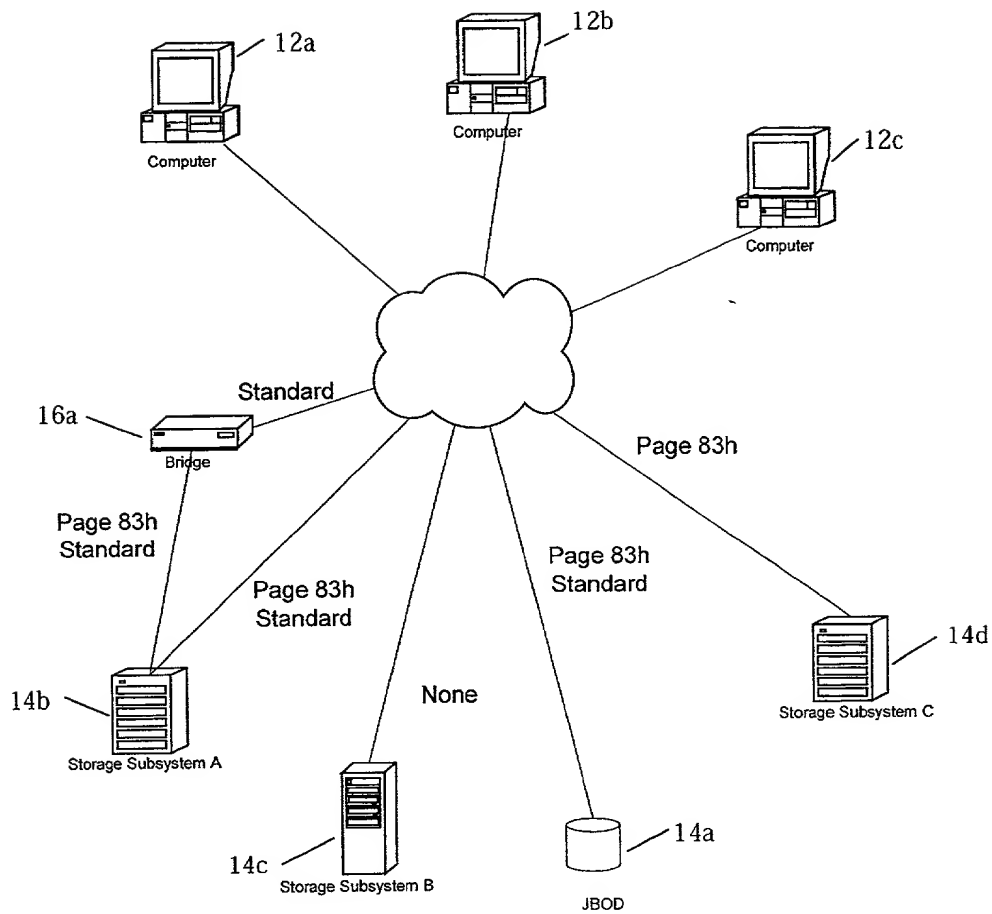
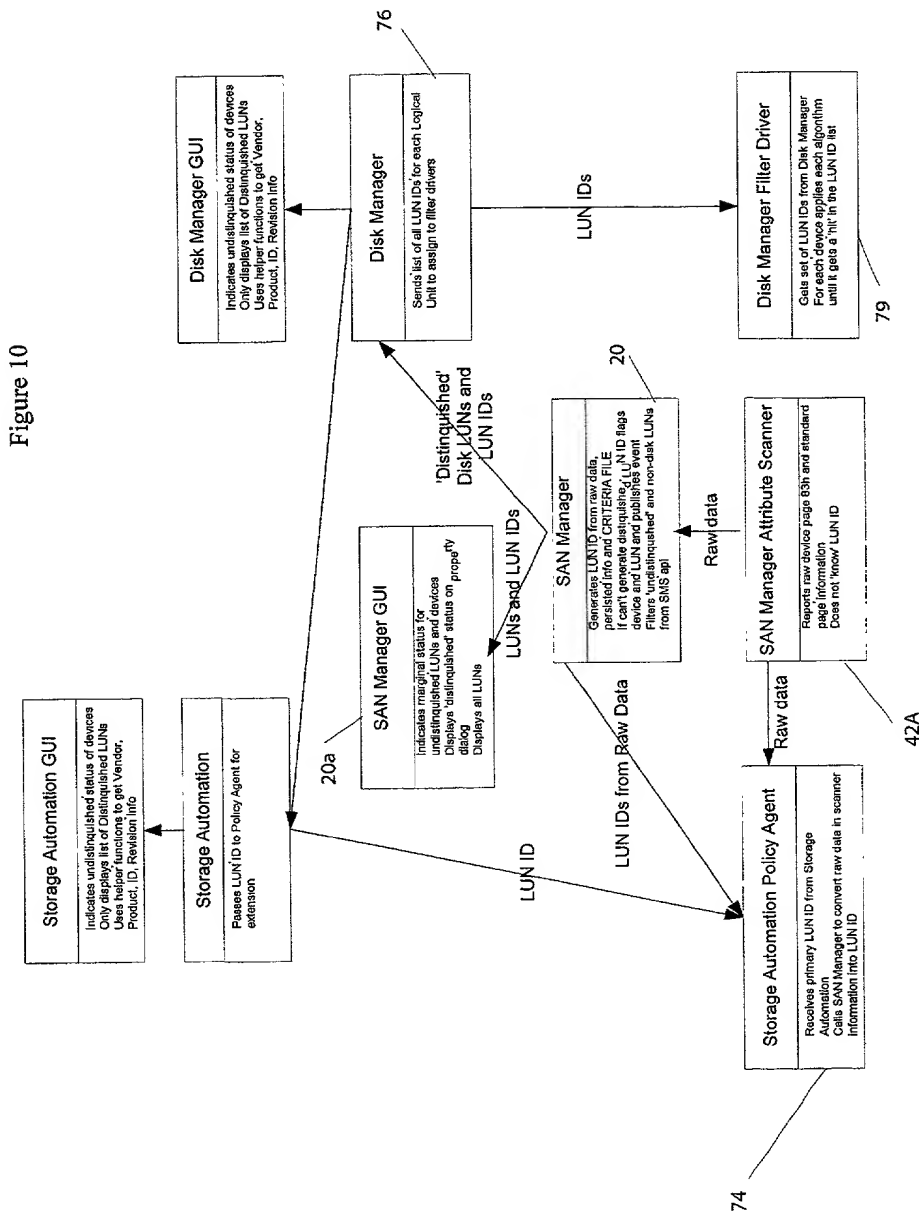


Figure 9



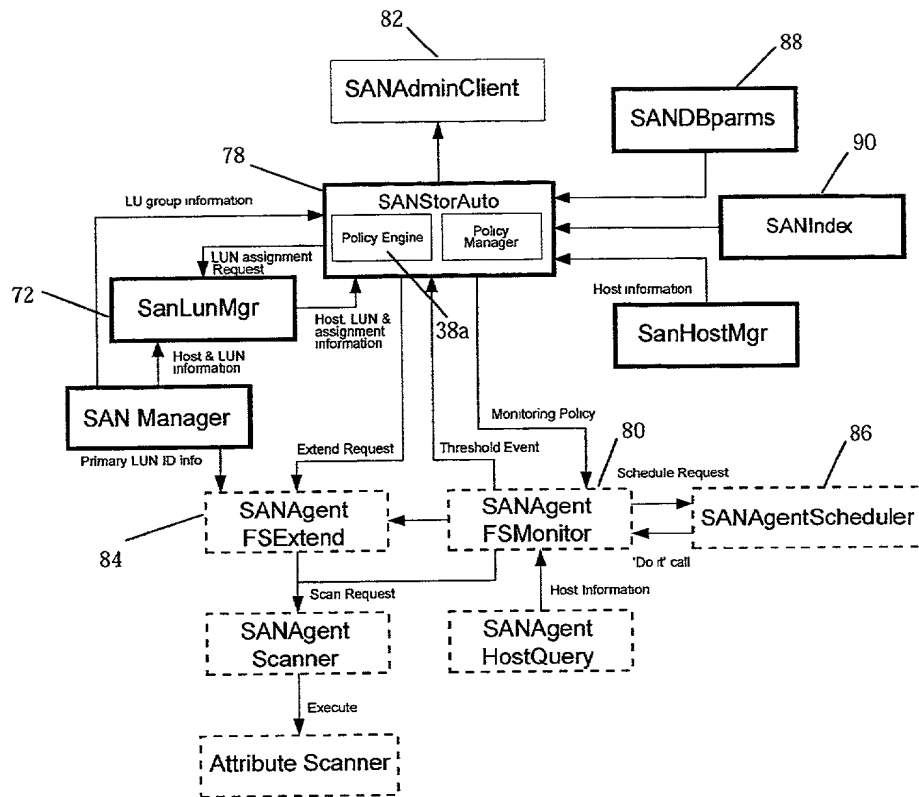


Figure 11

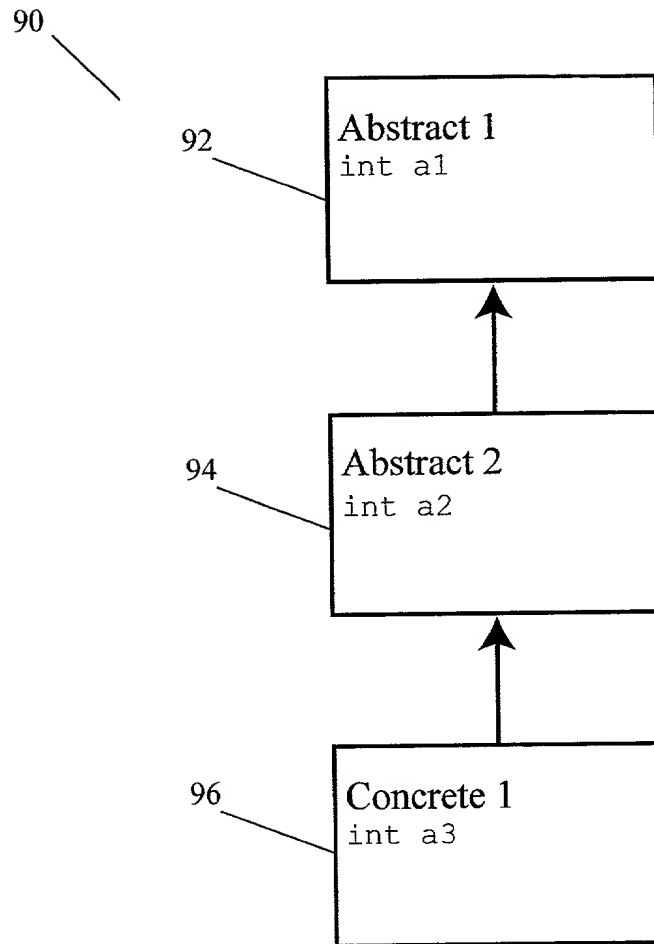


Figure 12

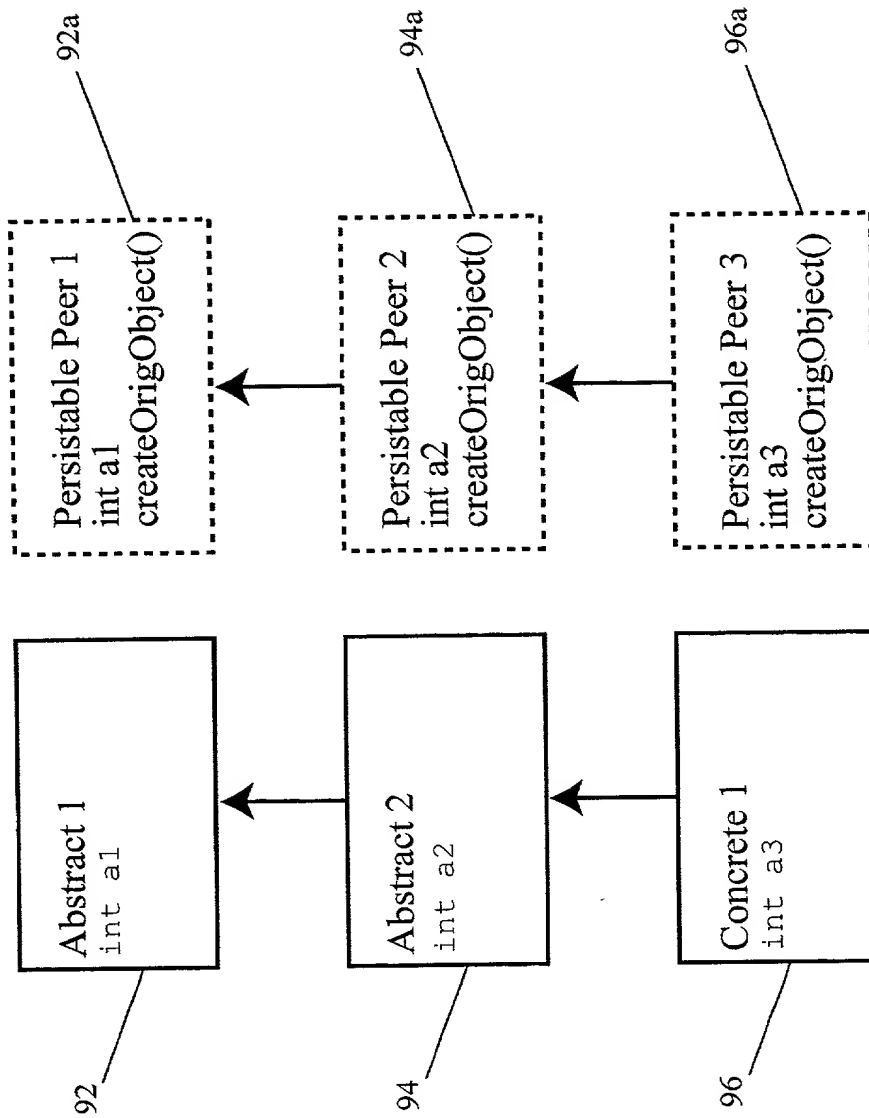


Figure 13

Figure 14a

Figure 14b

Figure 14c

Figure 14d

EL 835 825 668 US

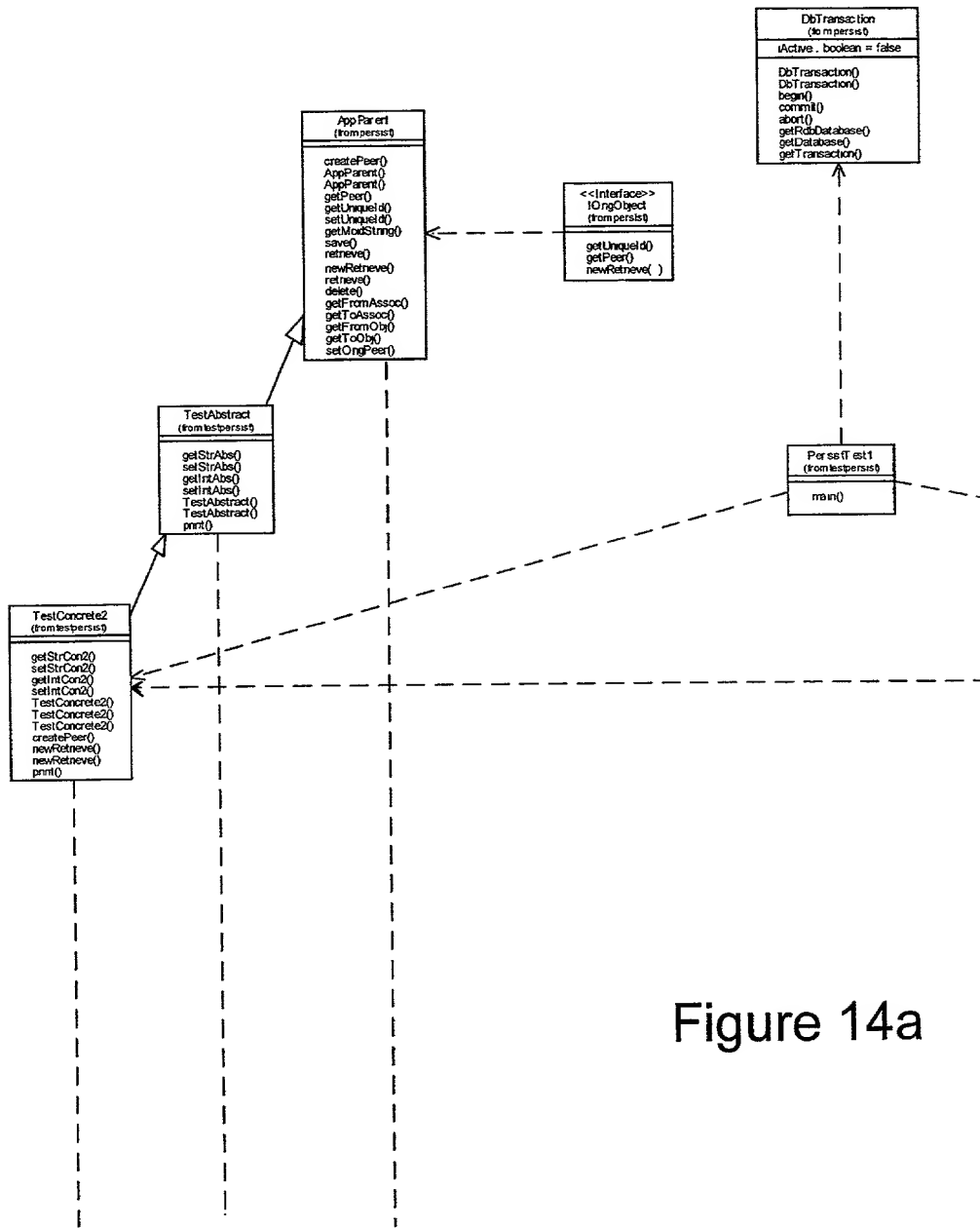
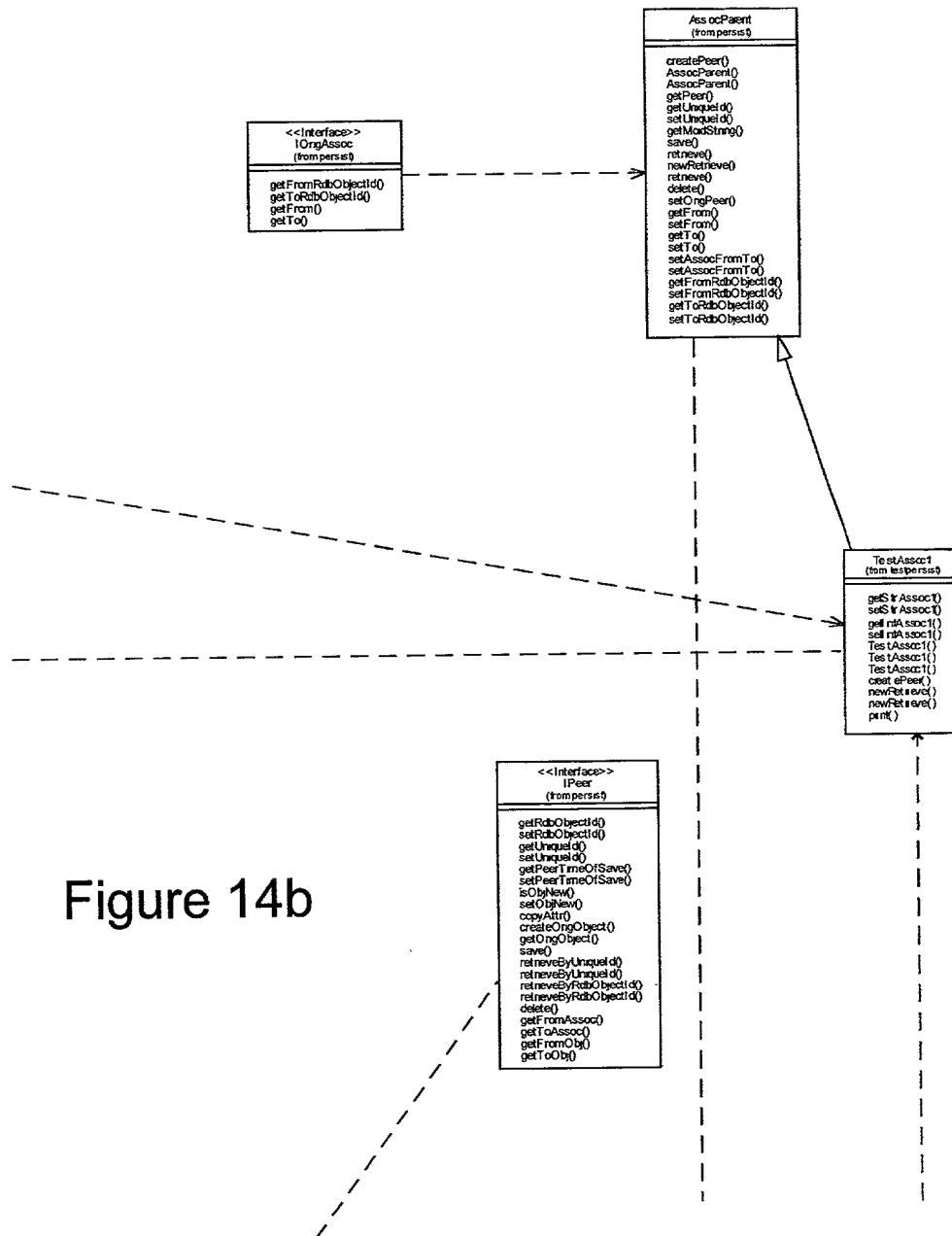


Figure 14a



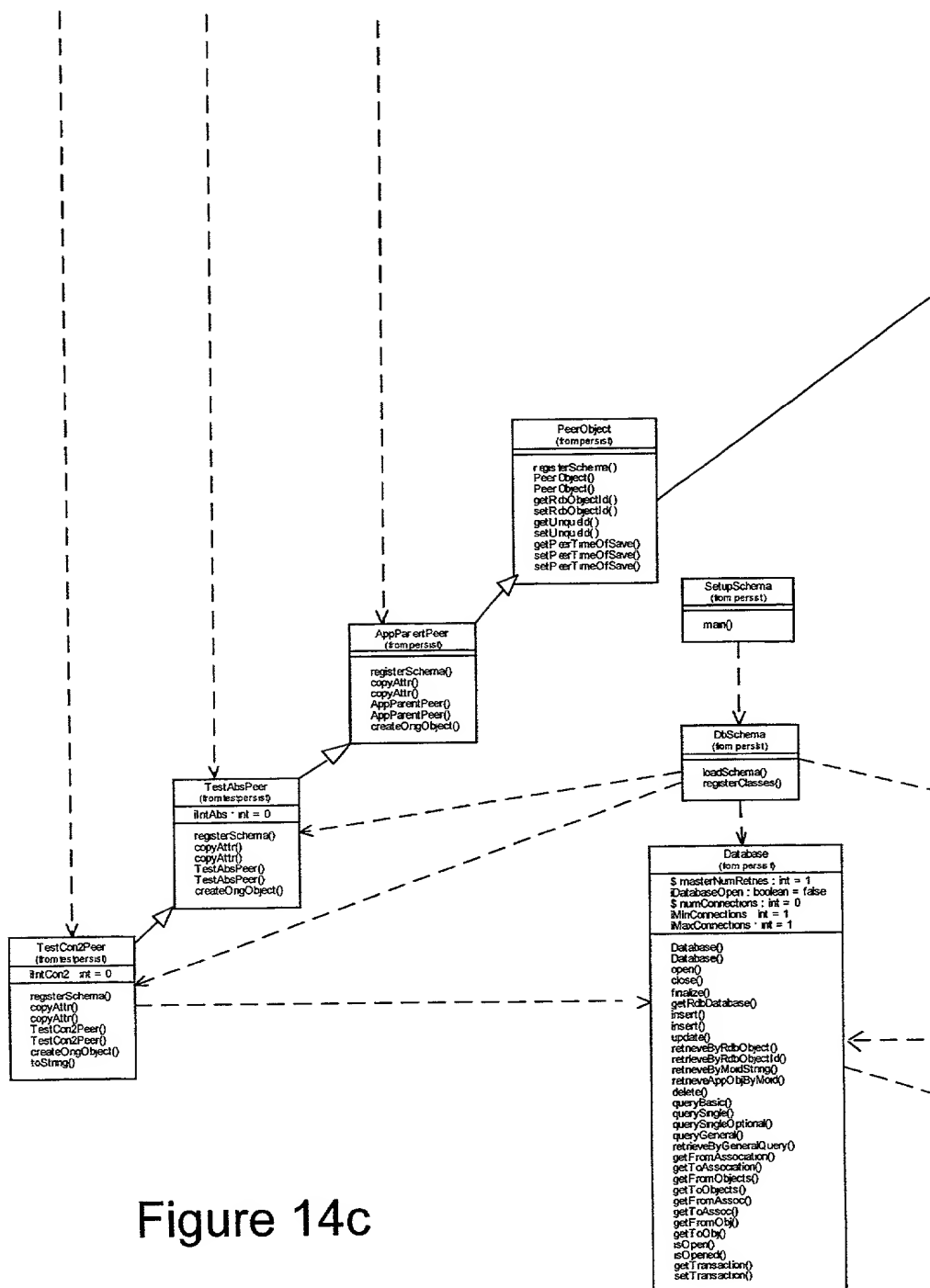


Figure 14c

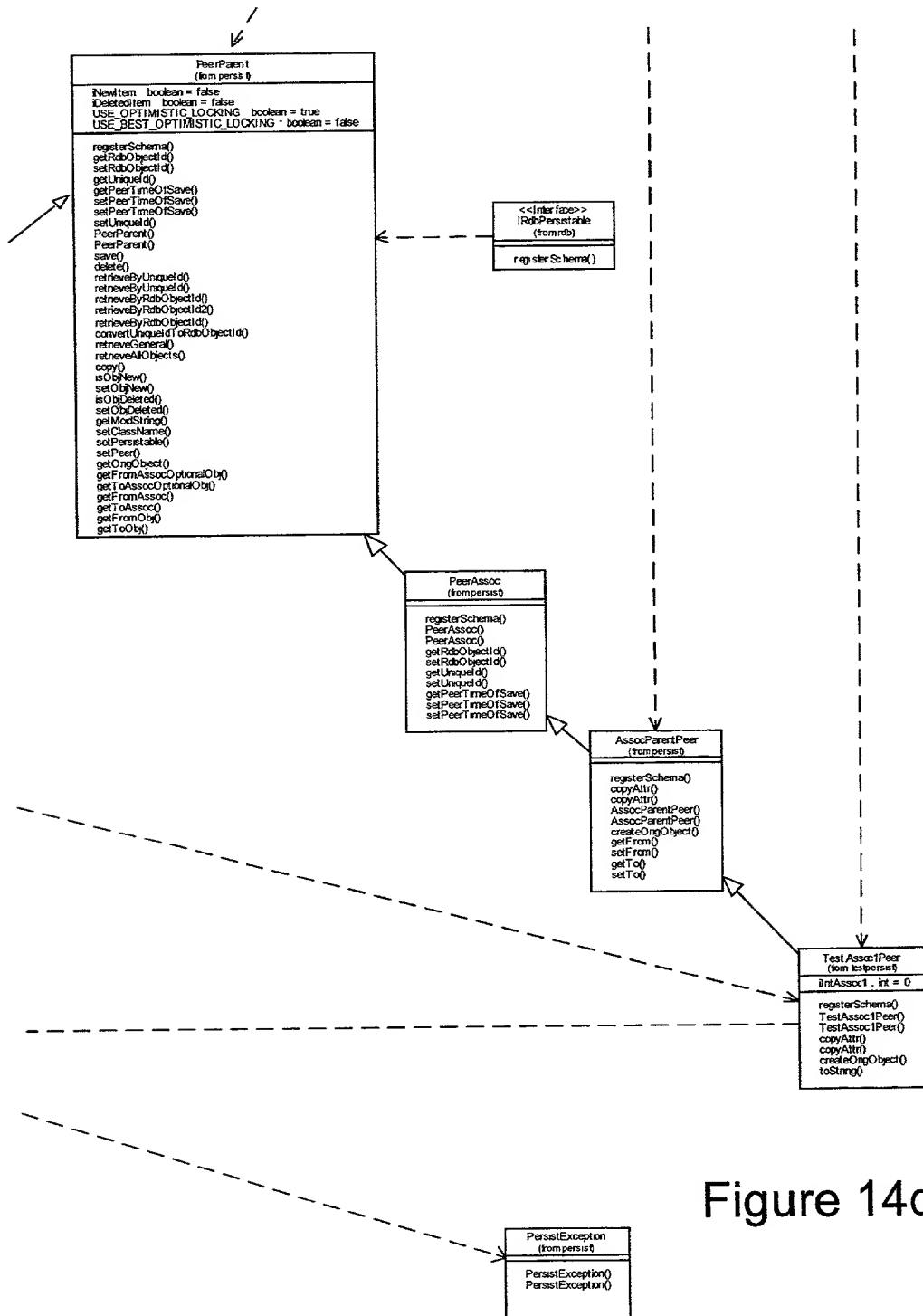
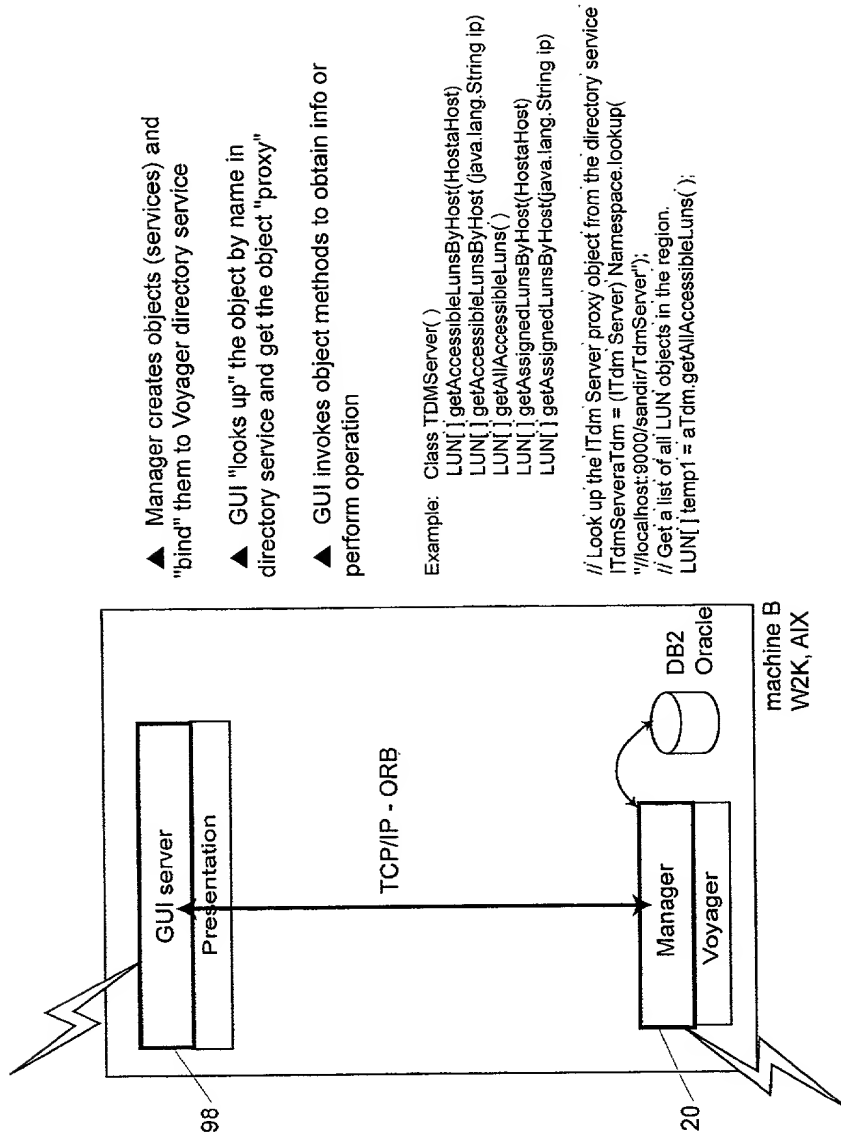


Figure 14d

FIG. 22

GUI (server) & Manager communication



- ▲ Manager creates objects (services) and "bind" them to Voyager directory service
- ▲ GUI "looks up" the object by name in directory service and get the object "proxy"
- ▲ GUI invokes object methods to obtain info or perform operation

Example: Class TDMServer()
LUN[] getAccessibleLunsByHost(HostaHost)
LUN[] getAccessibleLunsByHost(java.lang.String ip)
LUN[] getAllAccessibleLuns()
LUN[] getAssignedLunsByHost(HostaHost)
LUN[] getAssignedLunsByHost(java.lang.String ip)

// Look up the ITdm Server proxy object from the directory service
ITdmServerTdm = (ITdm Server) Namespace.lookup(
"//localhost:9000/sandir/TdmServer");
// Get a list of all LUN objects in the region.
LUN[] temp1 = aTdm.getAllAccessibleLuns();

Figure 15

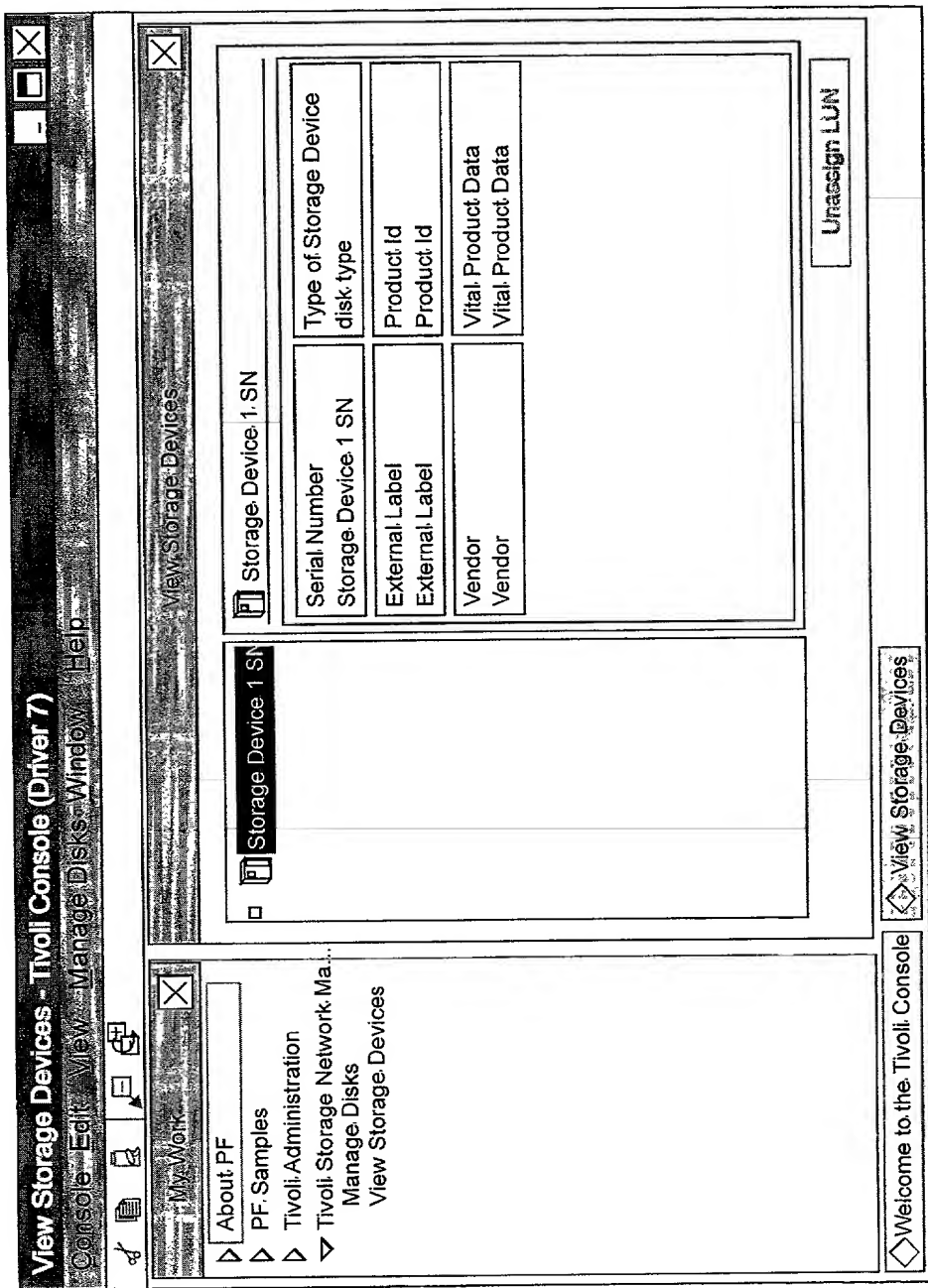


Figure 16

100

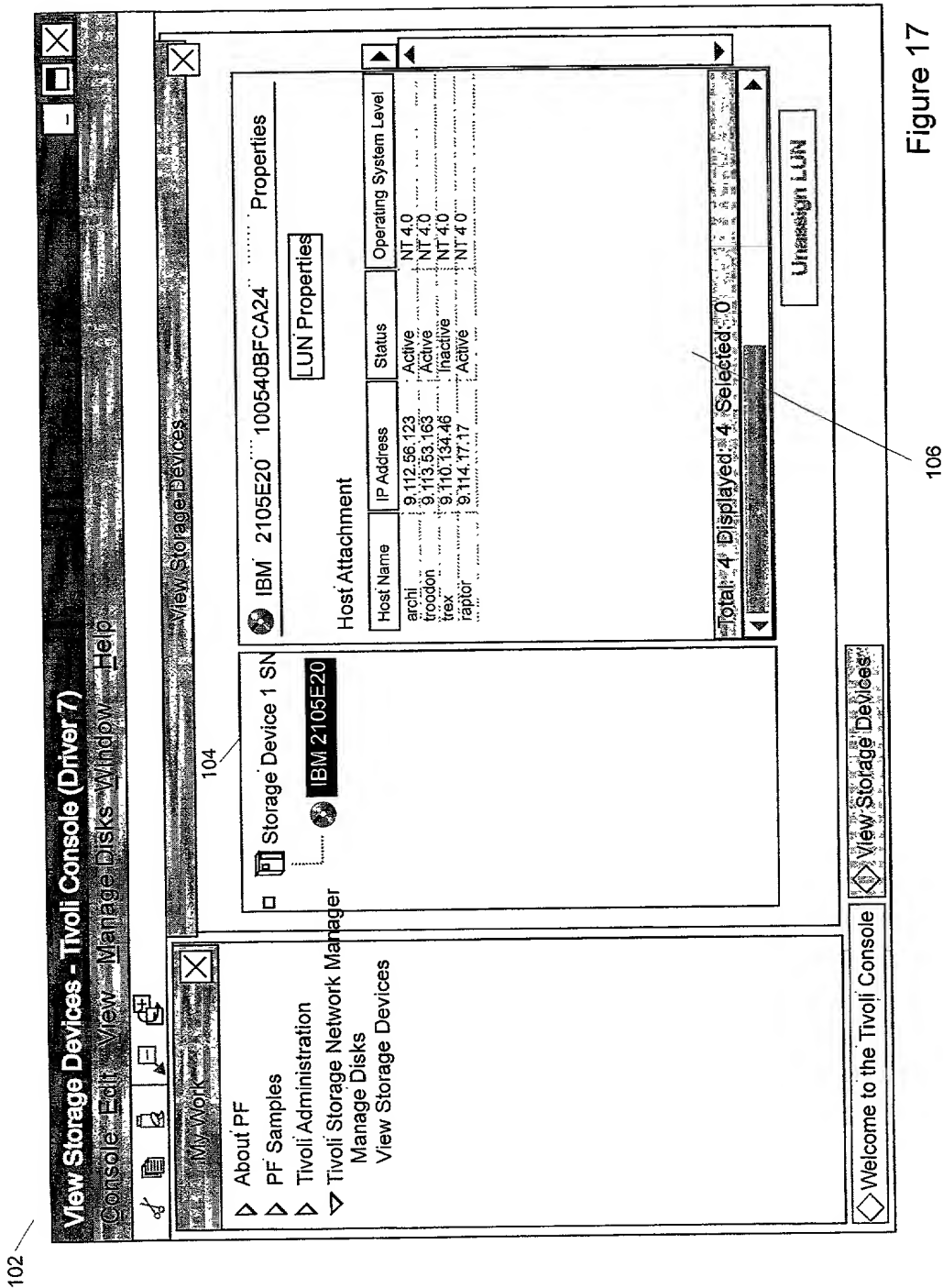


Figure 17



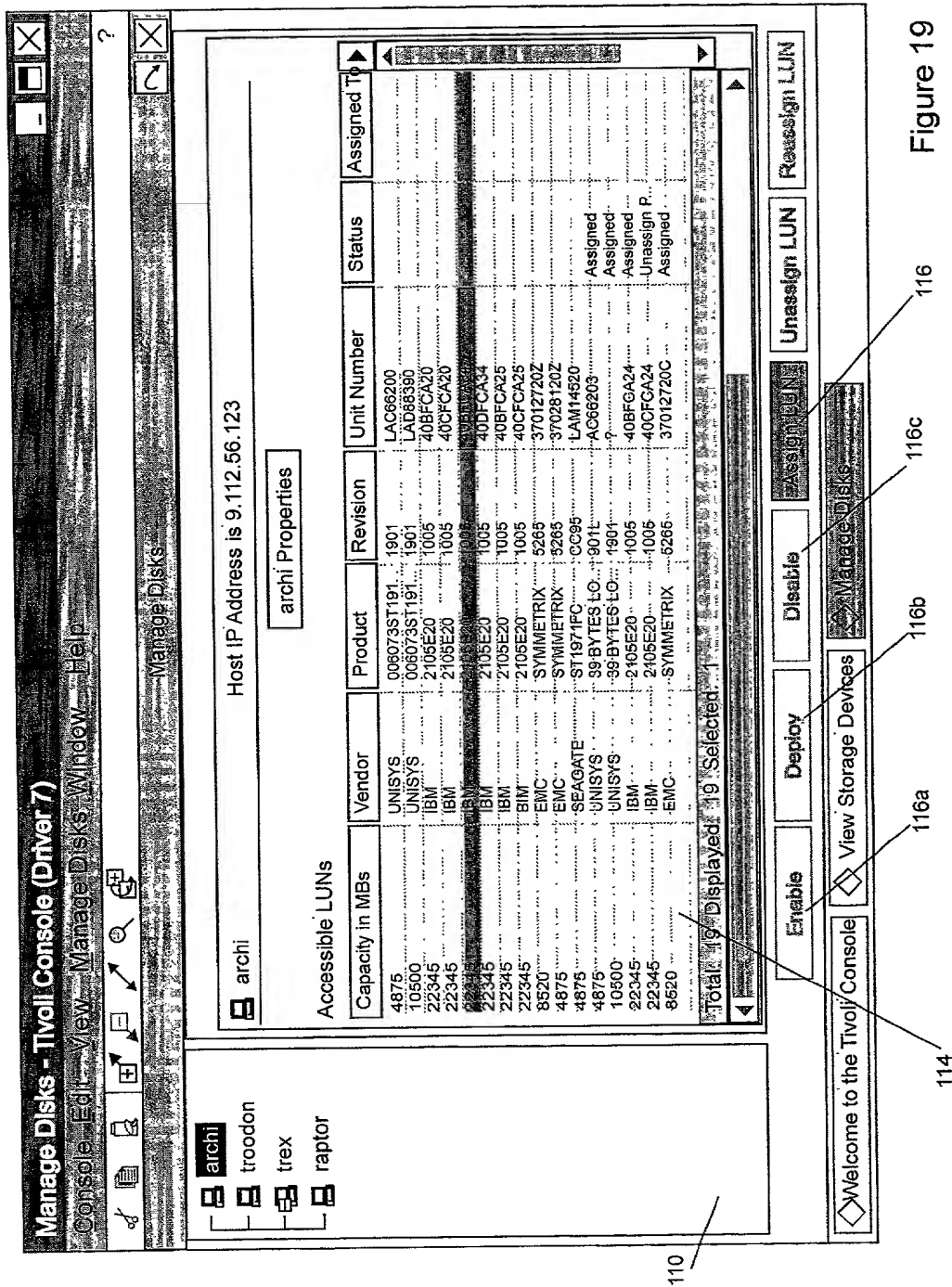


Figure 19

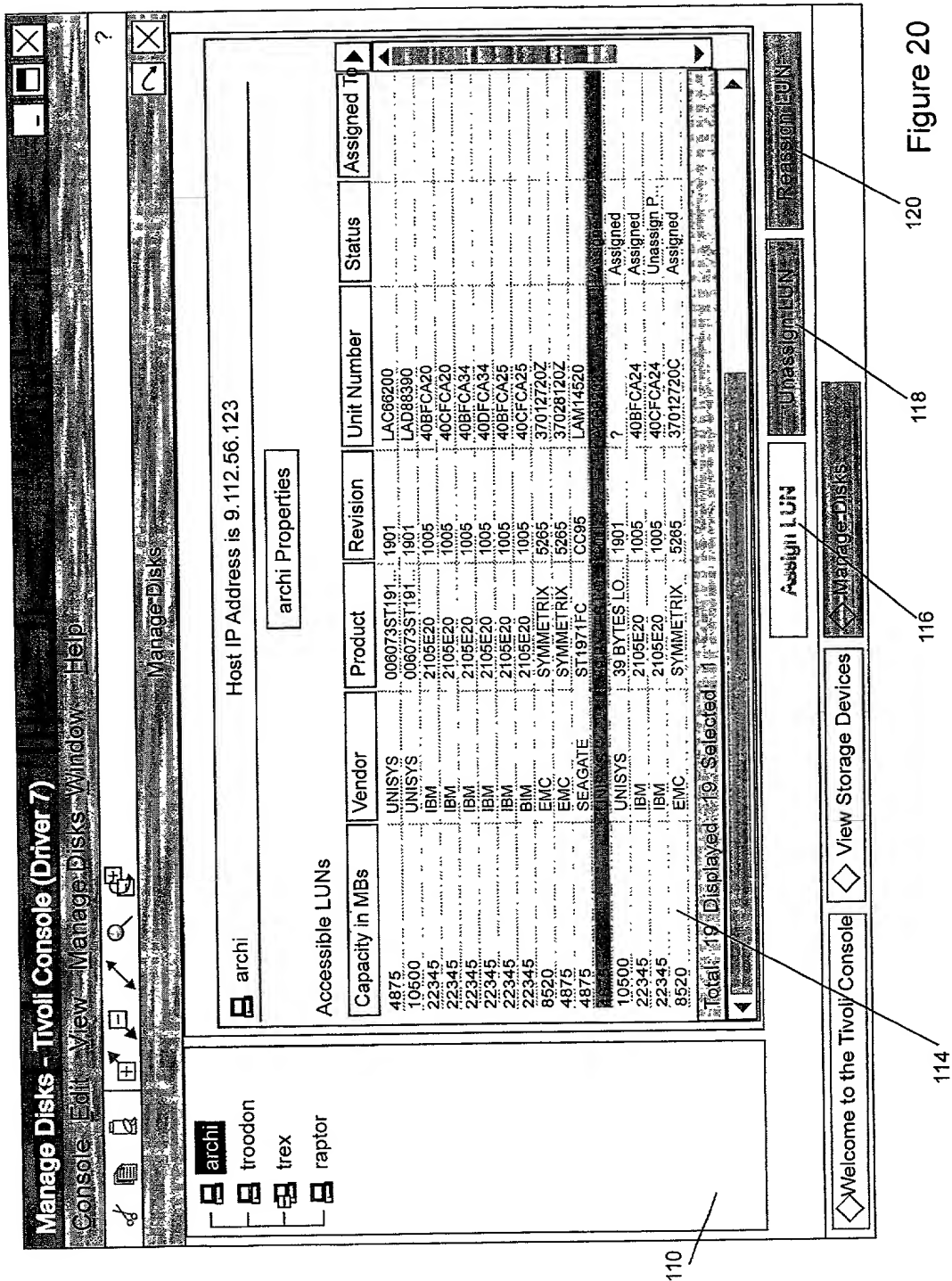


Figure 20

Clearing the Filter

Manage Disks - Tivoli Console (Driver 7)

Console Edit View Manage Disks Window Help

archi troodon trex raptor vega

Host IP Address is 9.112.56.123

Host Properties

Accessible LUNs

Capacity in MBs	Vendor	Product	Revision	Unit Number	Status	Assigned To Other	Logical Unit
22,345	IBM	2105E20	1005	40CFCAC24	Unassign Pending	<no filter>	LU group1
10,500	UNISYS	006073ST191	1901	LAD88387	Assigned	<no filter>	LU group1
22,345	IBM	2105E20	1005	40BFCAC24	Assigned	<no filter>	LU group1
8,520	EMC	SYMMETRIX	5265	37012720C	Assigned	<no filter>	LU group1
10,500	UNISYS	006073ST191	1901	LAD88390	Assigned	<no filter>	LU group1
22,345	IBM	2105E20	1005	40BFCAC20	Assigned	<no filter>	LU group1
22,345	IBM	2105E20	1005	40BFCAC34	Assigned	<no filter>	LU group1
22,345	IBM	2105E20	1005	40BFCAC34	Assigned	<no filter>	LU group1
22,345	IBM	2105E20	1005	40BFCAC25	Assigned	<no filter>	LU group1
8,520	EMC	SYMMETRIX	5265	37012720Z	Assigned	<no filter>	LU group1

Total: 19. Displayed: 12. Selected: 0

Assign LUN

Unassign LUN

Reassign LUN

Figure 21

Custom Filtering

Manage Disks - Tivoli Console (Driver 7)

Console Edit View Manage Disks Window Help

archi troodon trex raptor vega

Host IP Address is 9.112.56.123

Host Properties

Accessible LUNs

Capacity in MBs

5000

At least At most

OK

Unit Number	Status	Assigned To Other	Logical Unit
40CFCA24	Unassign Pending	<no filter>	LU group1
LAC86203	Assigned	<no filter>	LU group1
LAD88397	Assigned	<no filter>	LU group1
40BFCA24	Assigned	<no filter>	LU group1
37012720C	Assigned	<no filter>	LU group1
37028120C	Assigned	<no filter>	LU group1
37028120C	Assigned	<no filter>	LU group1
LAM14526	Assigned	<no filter>	LU group1
LAC86200	Assigned	<no filter>	LU group1
LAD88390	Assigned	<no filter>	LU group1
40BFCA30	Assigned	<no filter>	LU group1
40CFCA30	Assigned	<no filter>	LU group1
40BFCA34	Assigned	<no filter>	LU group1
40DFCA34	Assigned	<no filter>	LU group1
37012720Z	Assigned	<no filter>	LU group1

Total: 19 Displayed: 19 Selected: 0

Welcome Manage LUNs Assign LUN Unassign LUN Preassign LUN

Figure 22

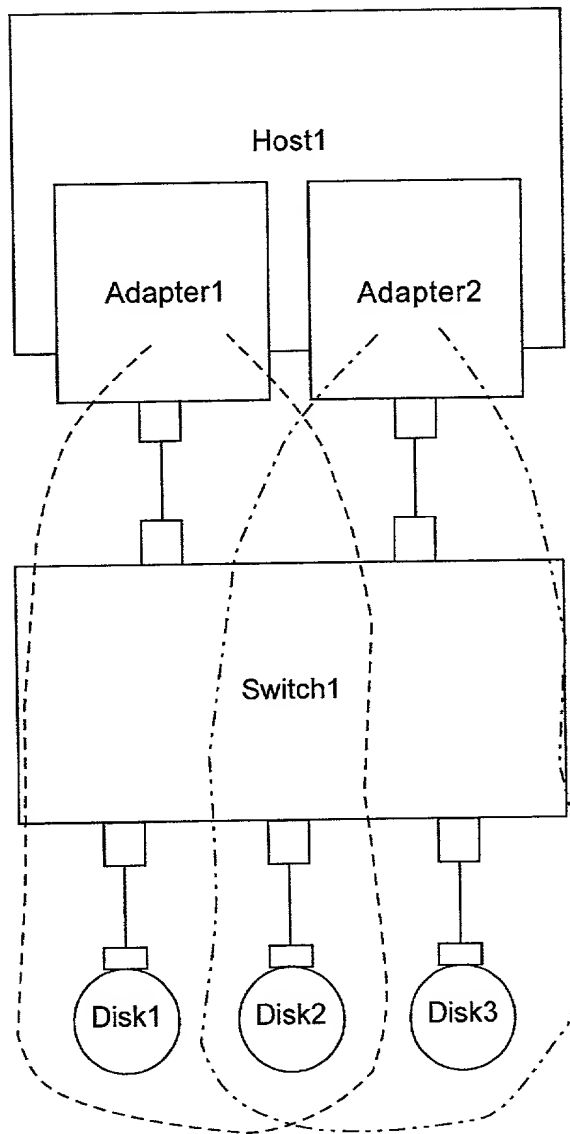


Figure 23

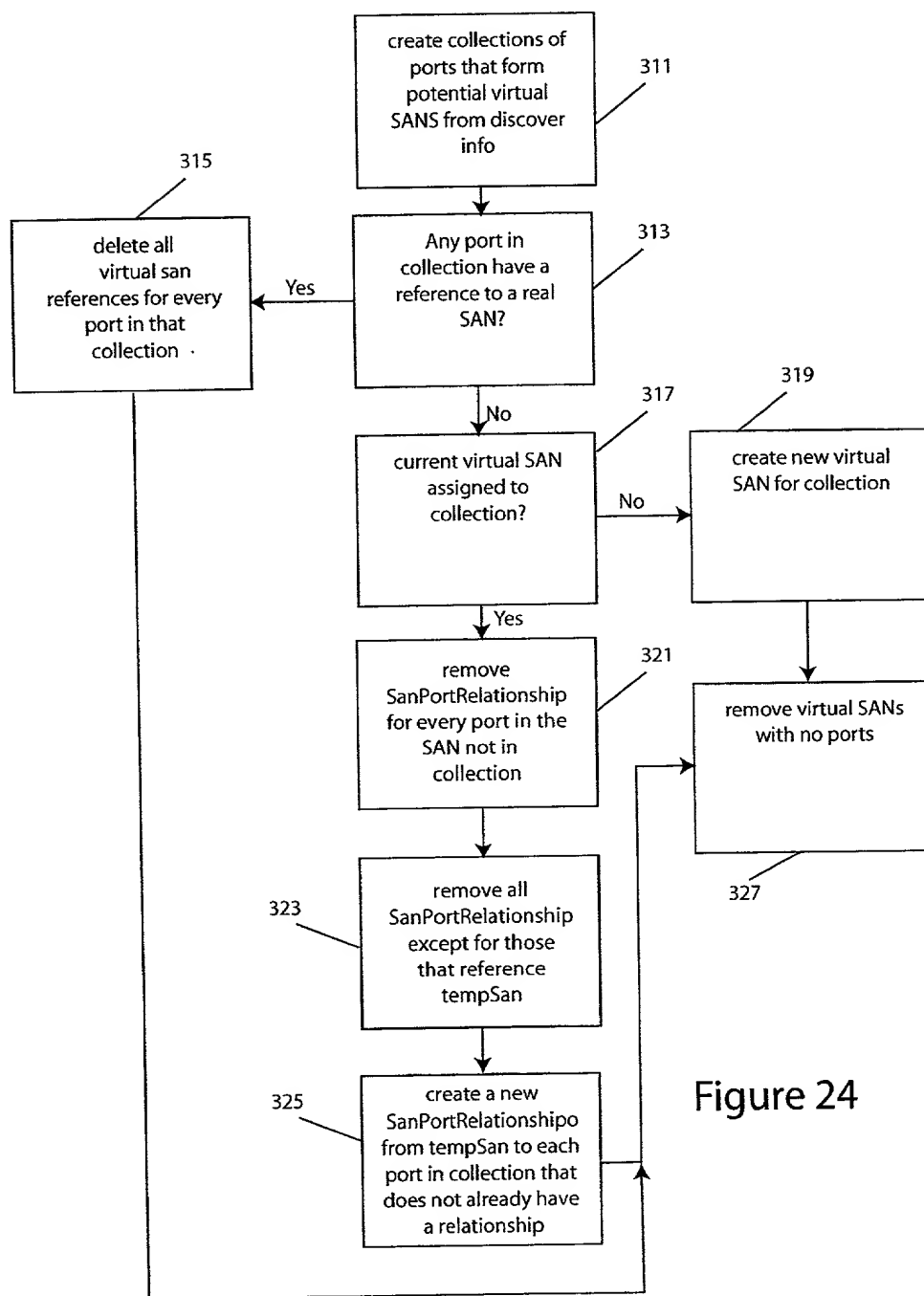


Figure 24

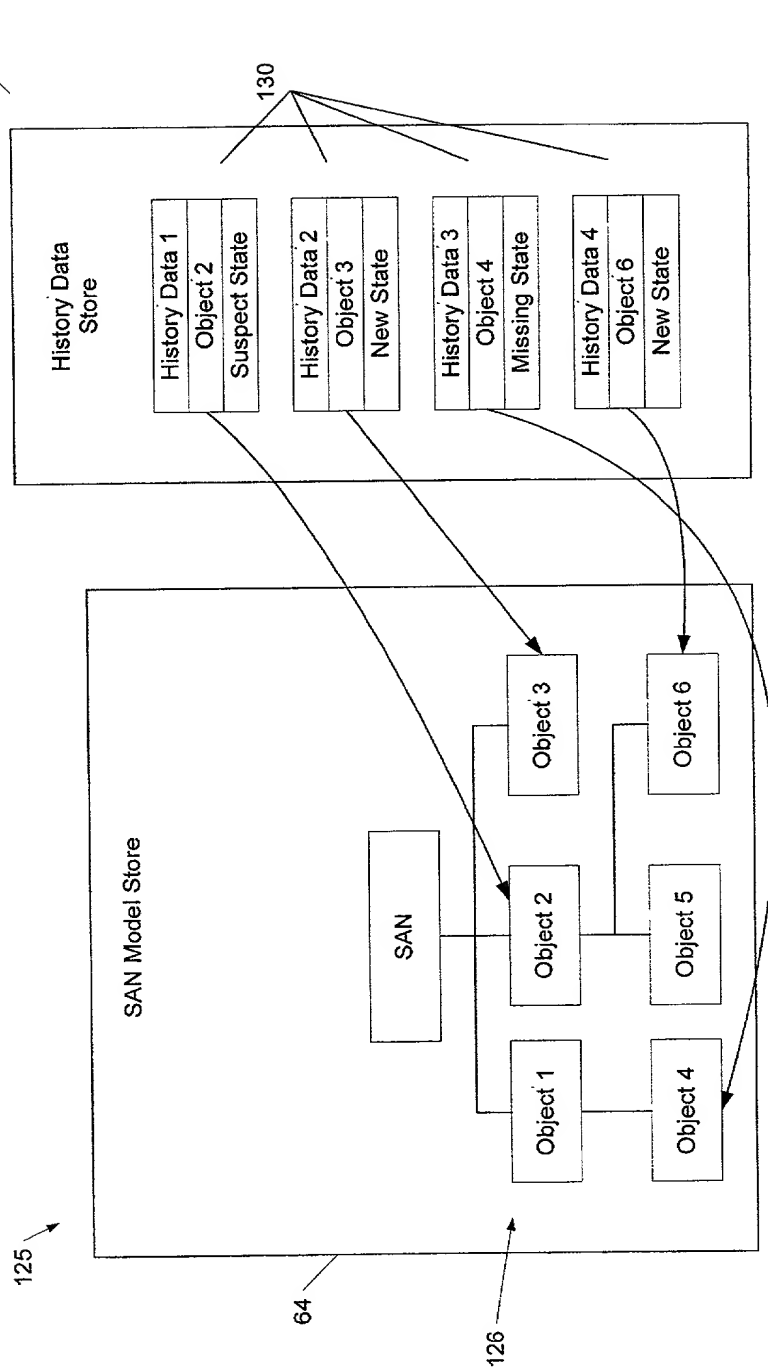


FIGURE 25

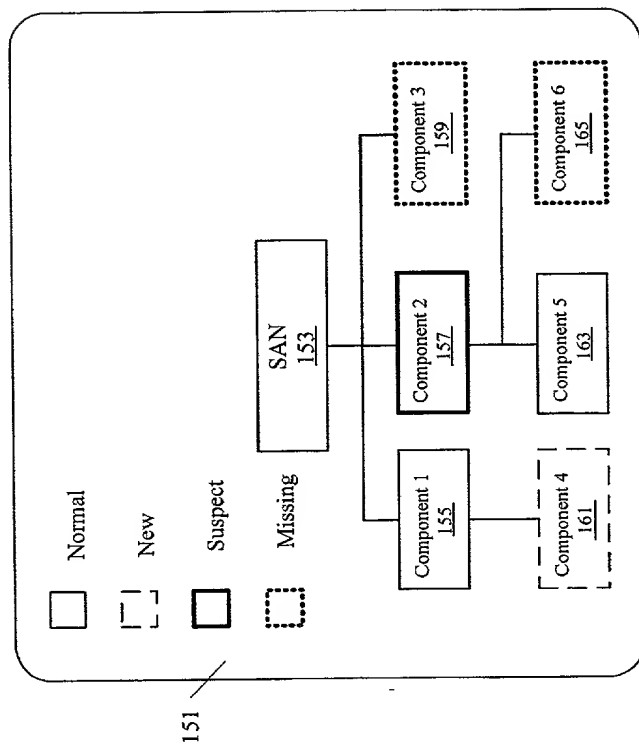


FIGURE 26

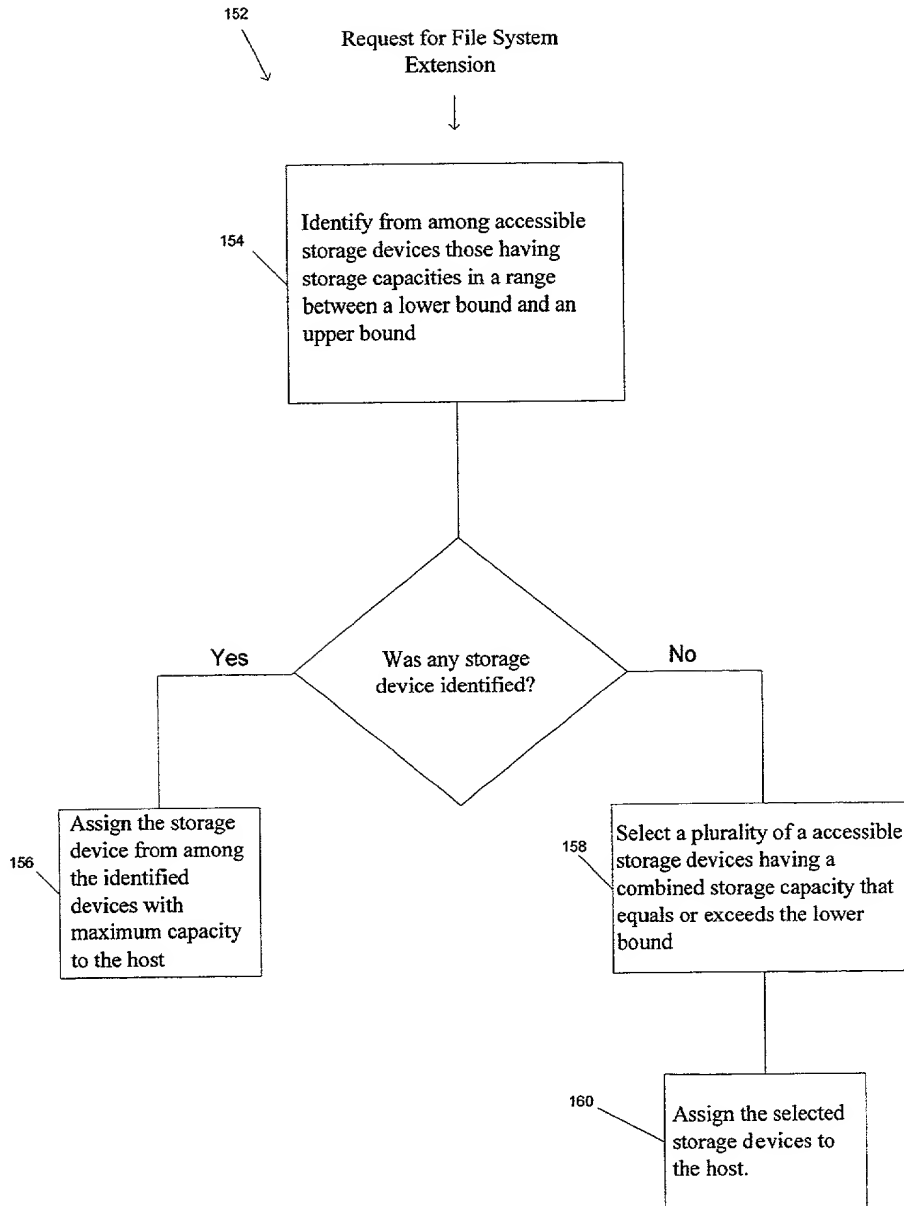


Figure 27

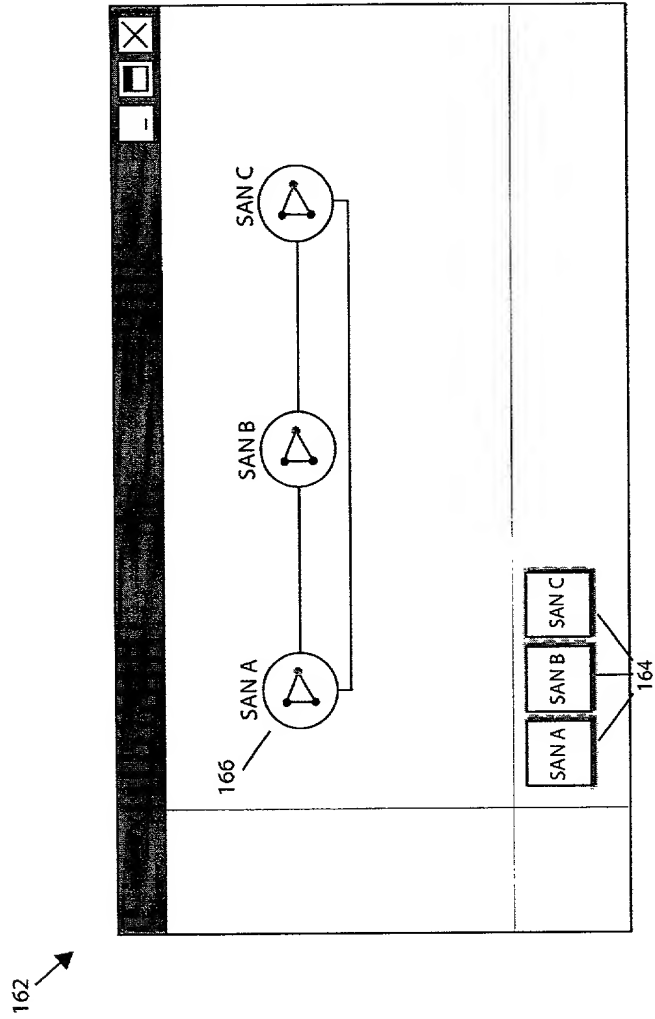


Figure 28

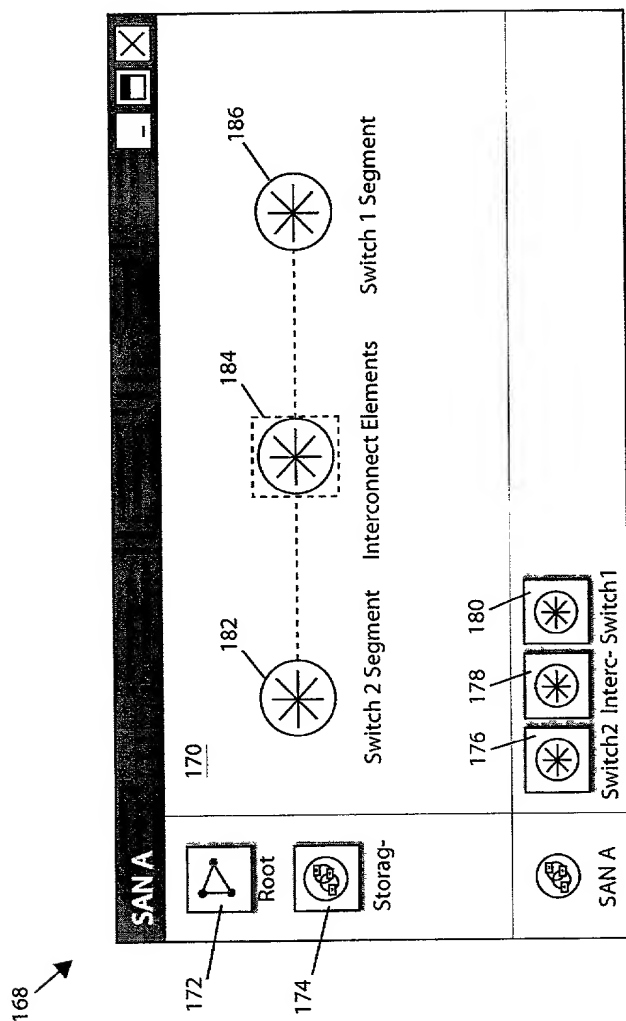


Figure 29

10501" 93E2650

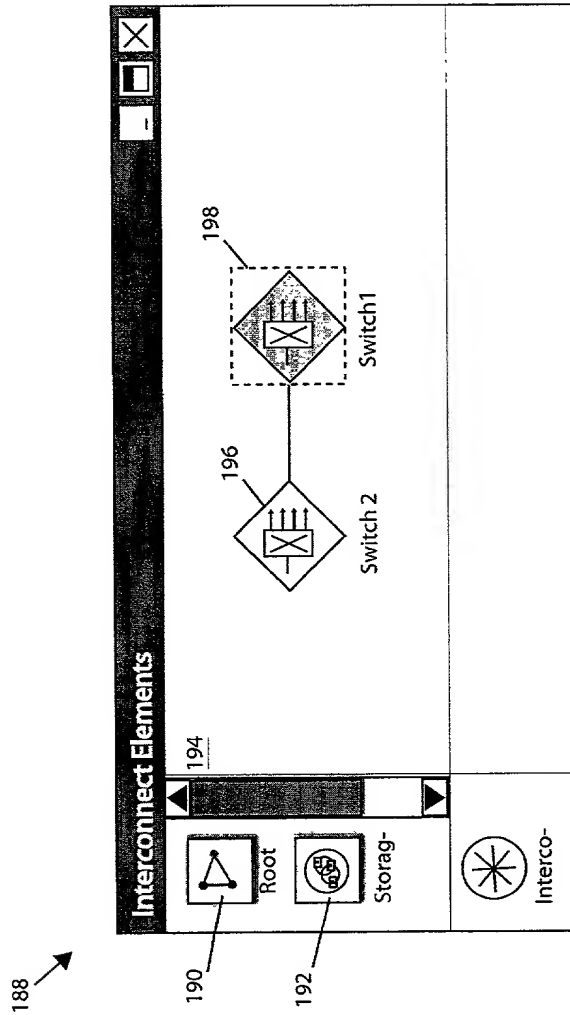


Figure 30

IBM DOCKET NO. SJ09-2001-0037

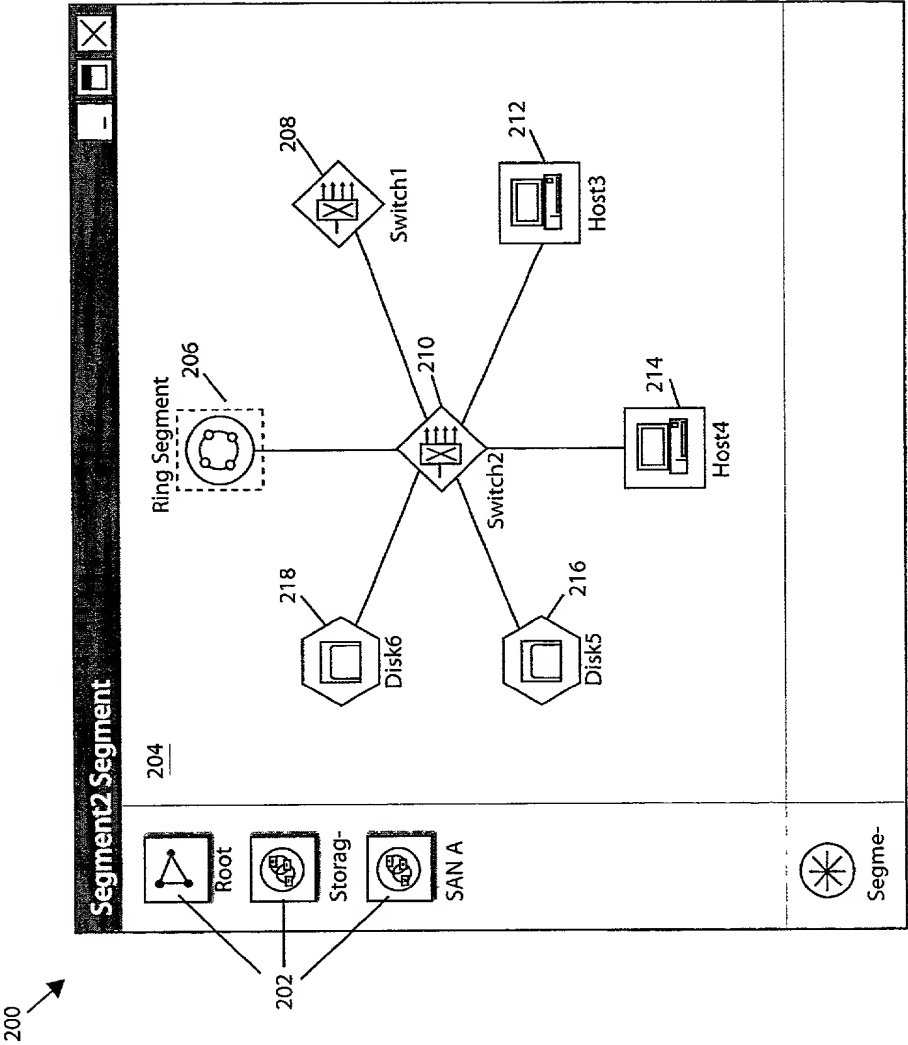


Figure 31

FOR SALE 2660

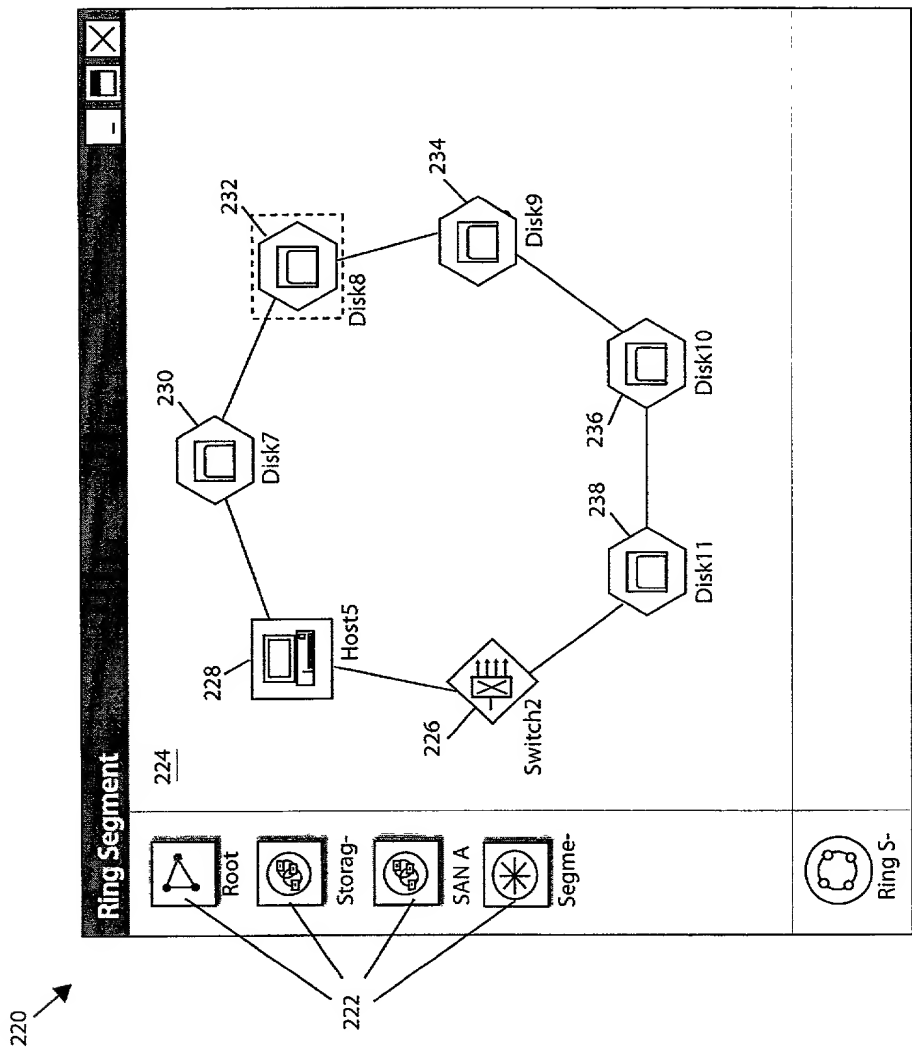
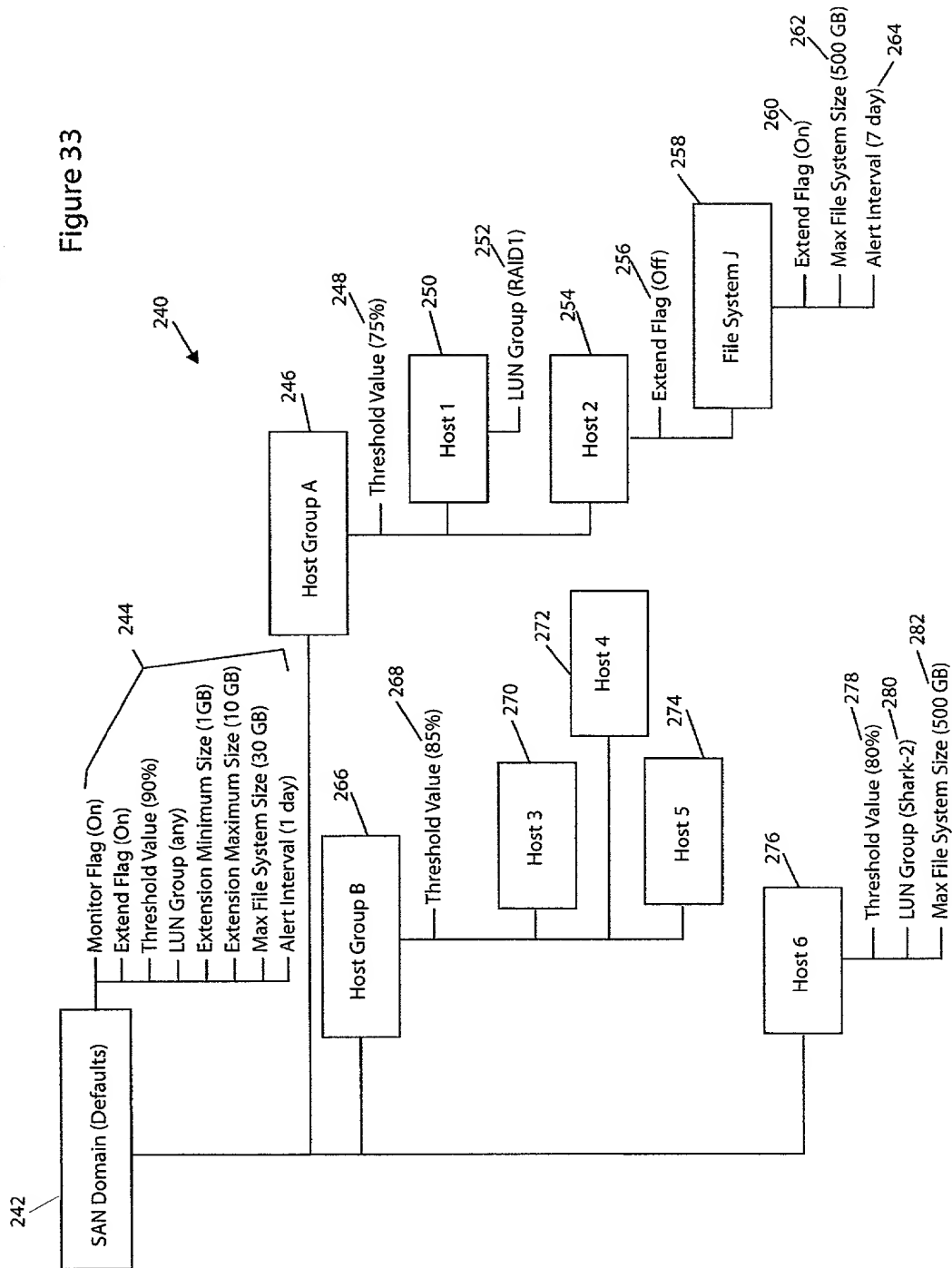


Figure 32

Figure 33



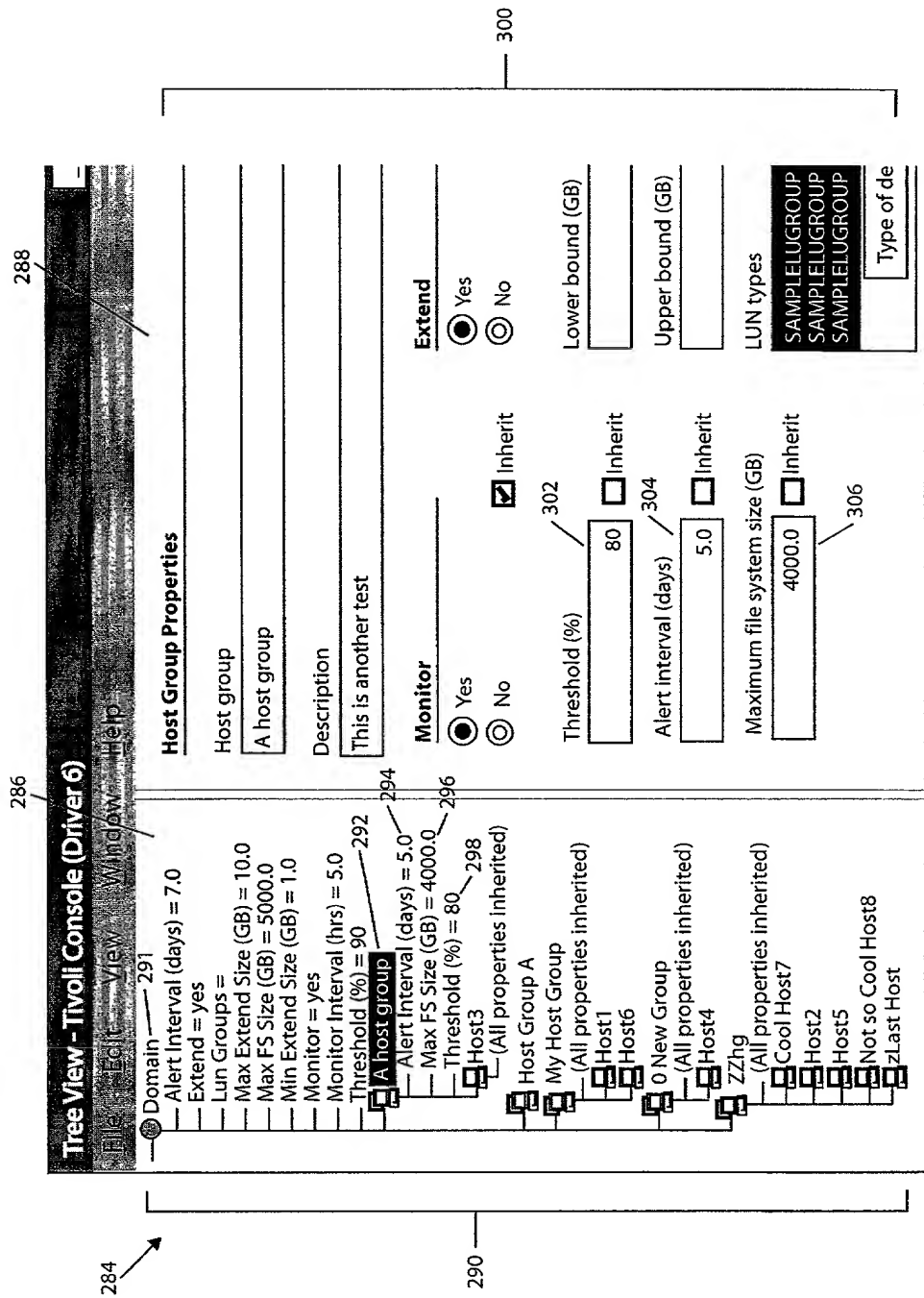
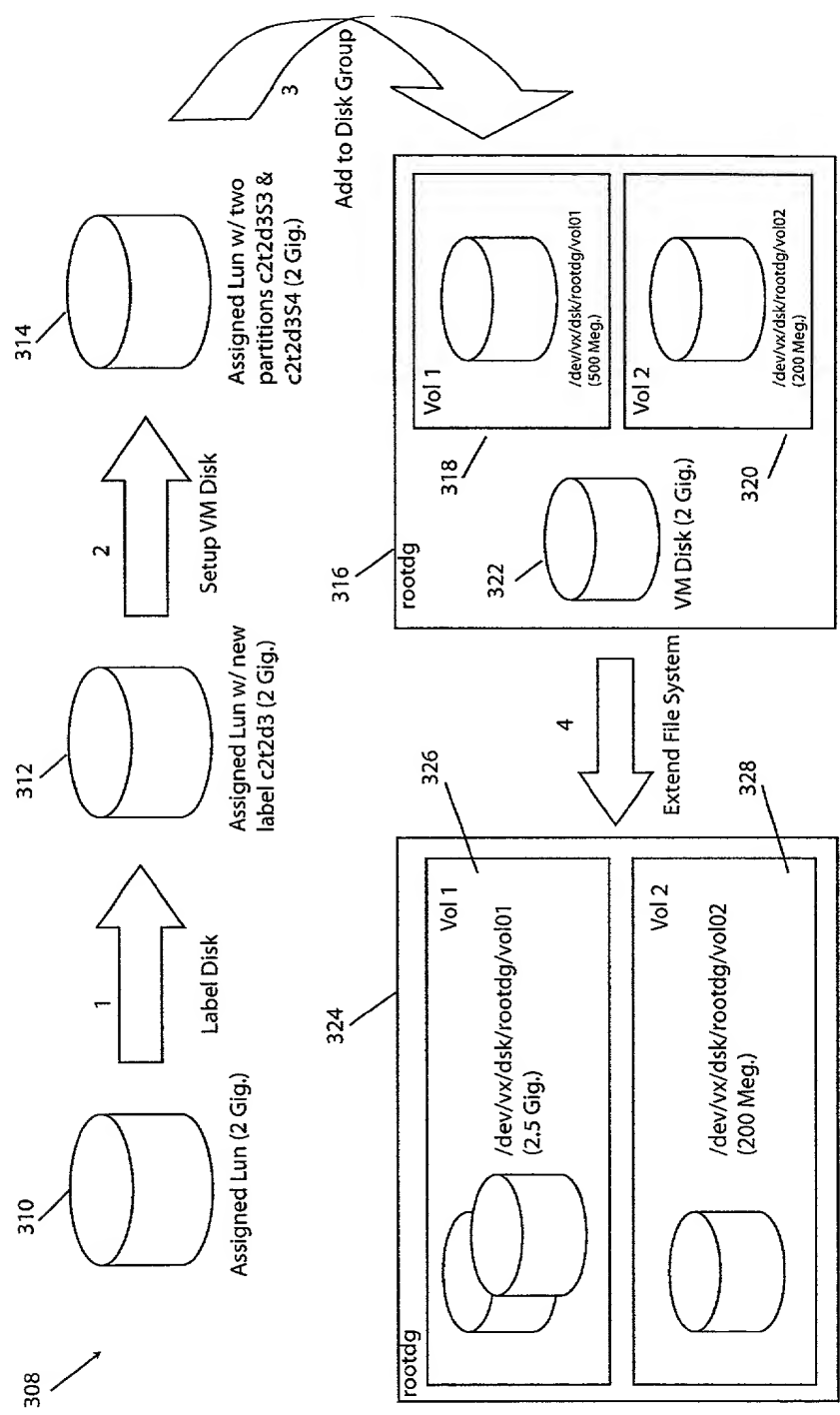


Figure 34

Figure 35



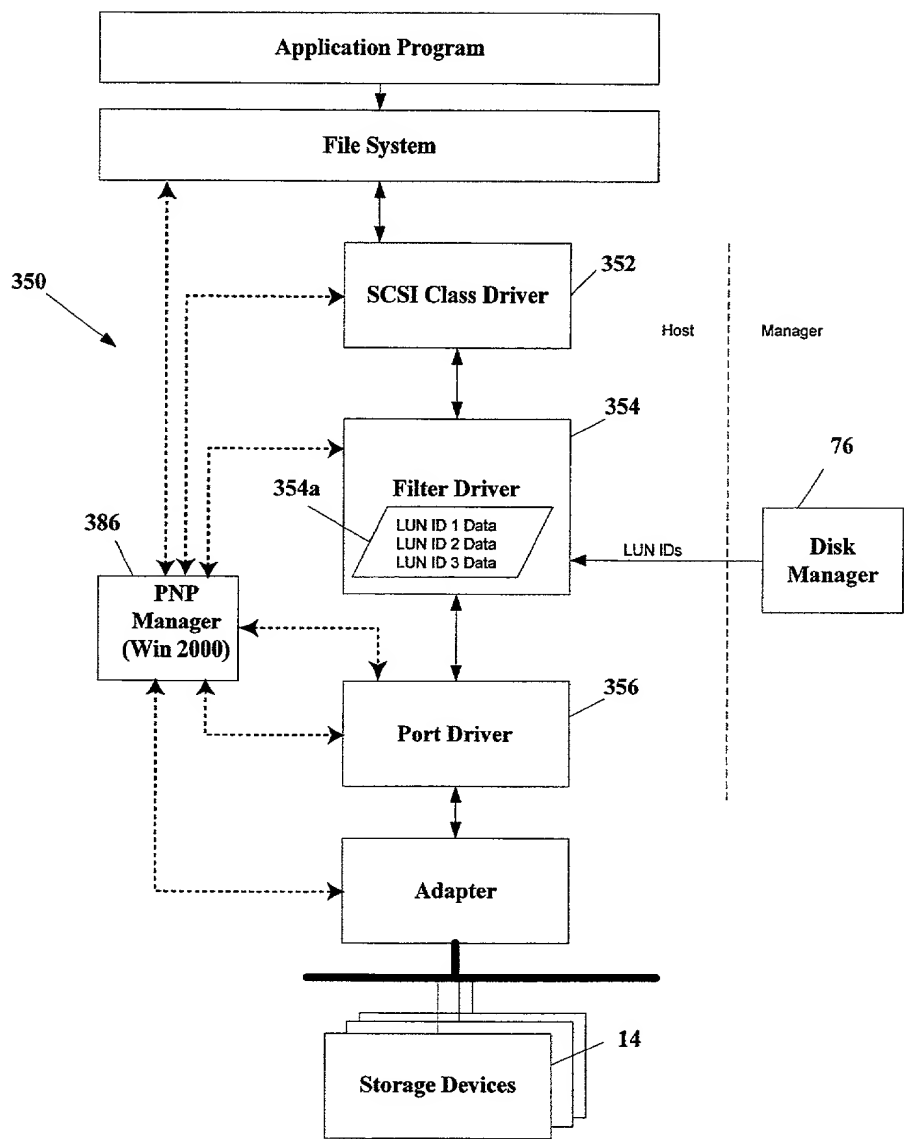
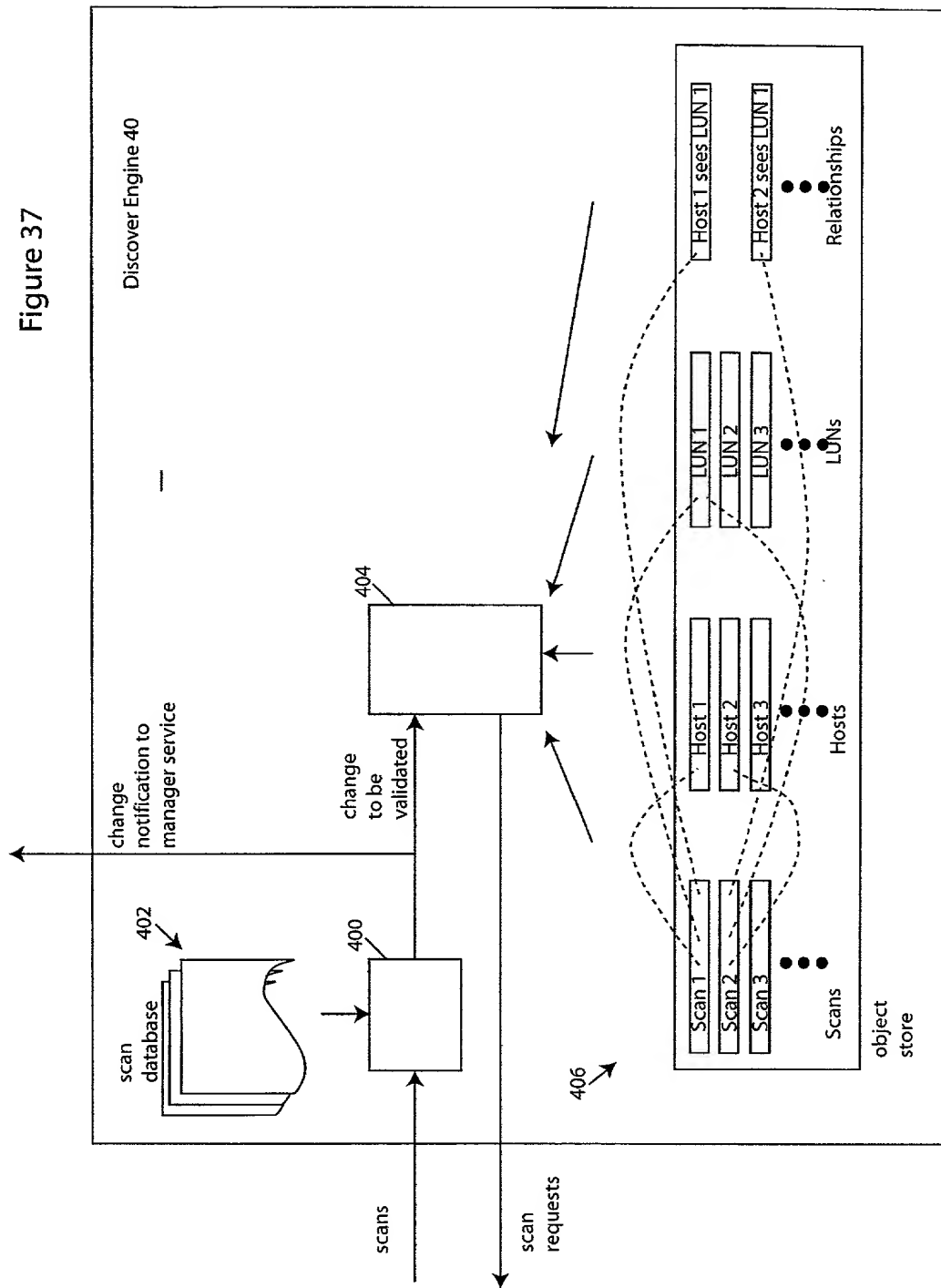


FIGURE 36

Figure 37



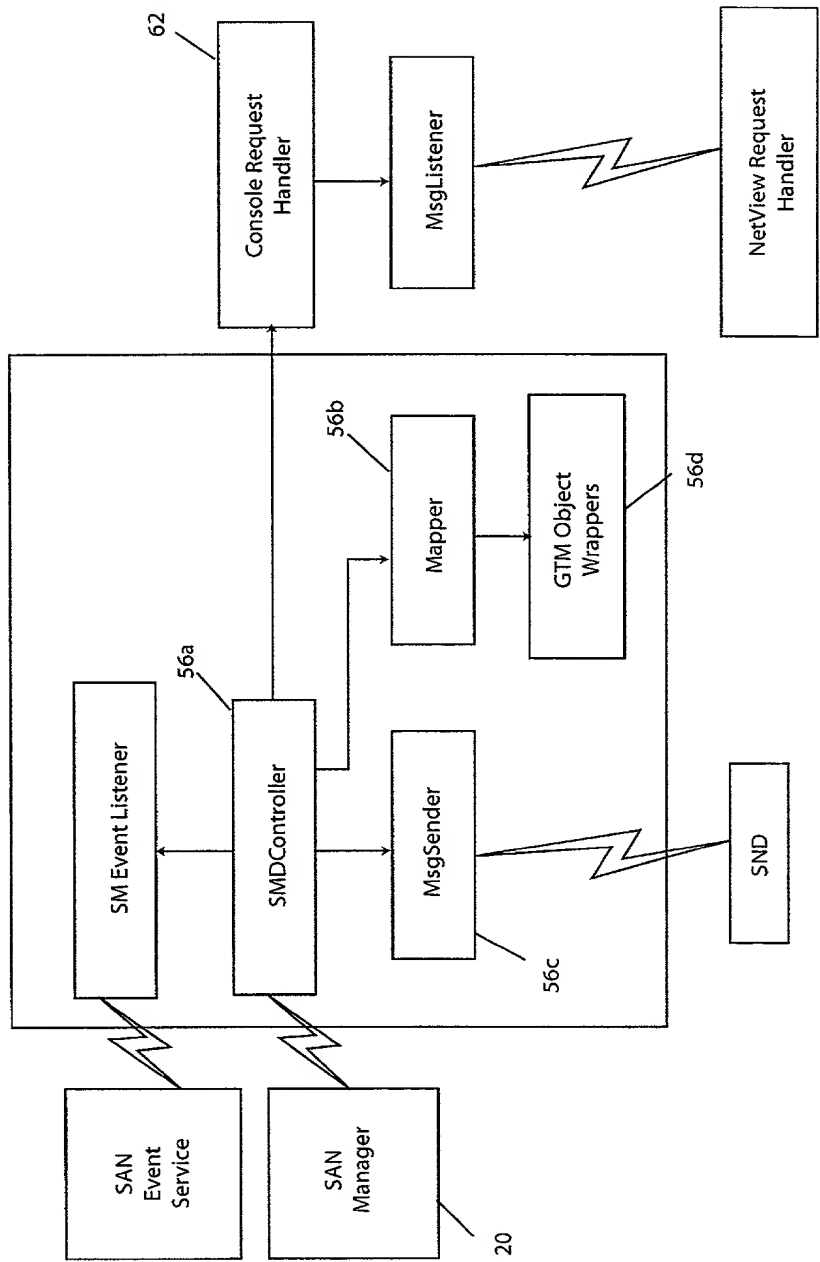


Figure 38

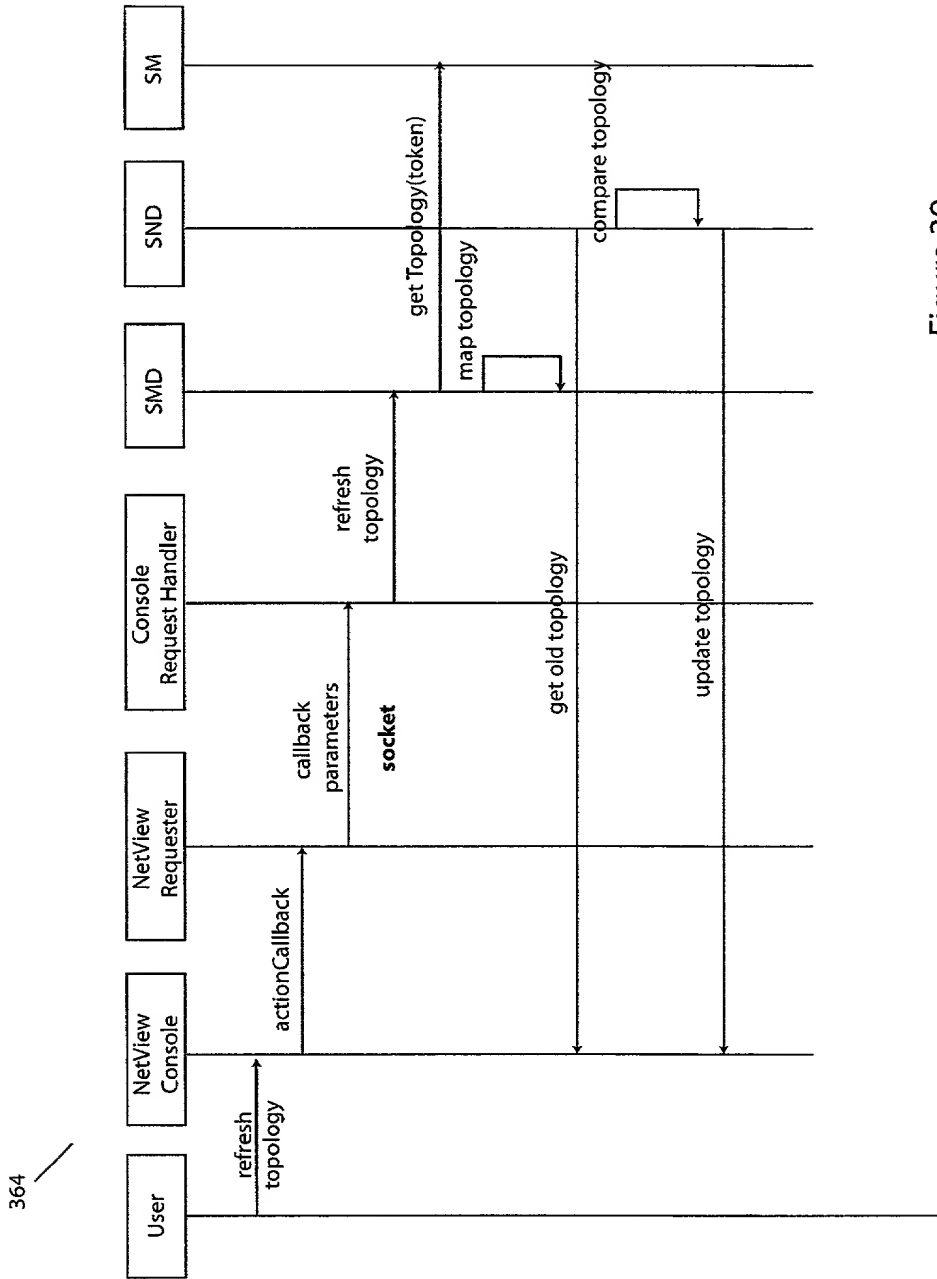


Figure 39

366

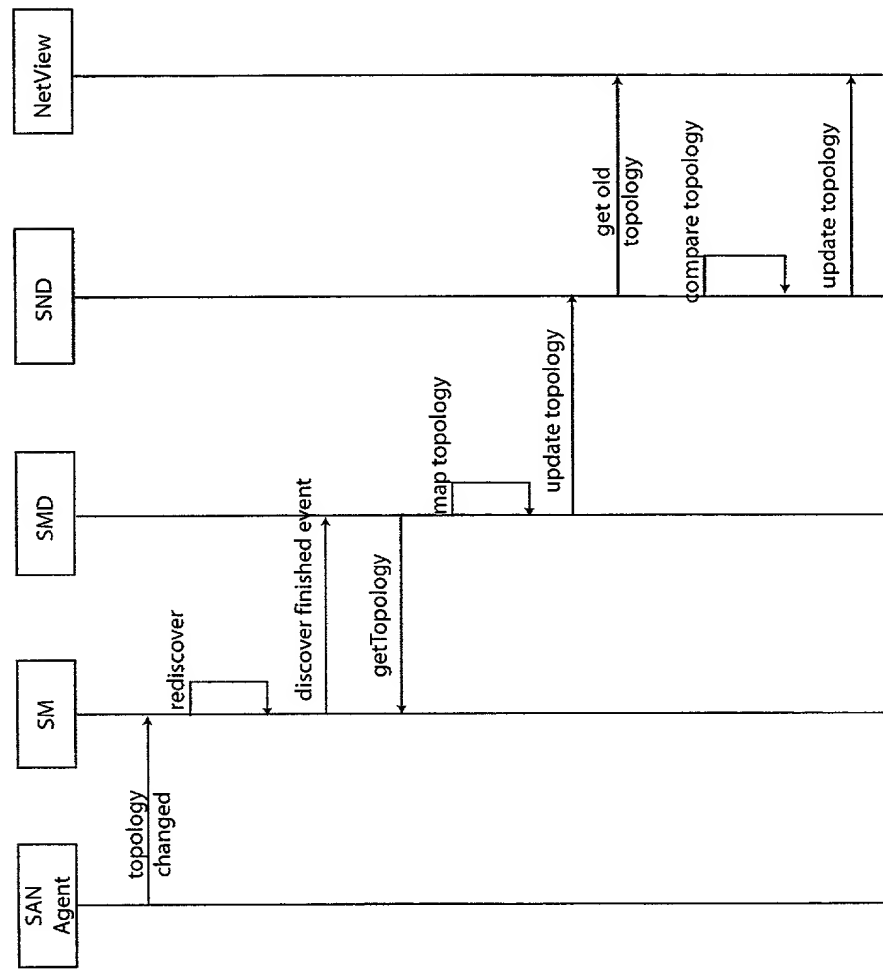
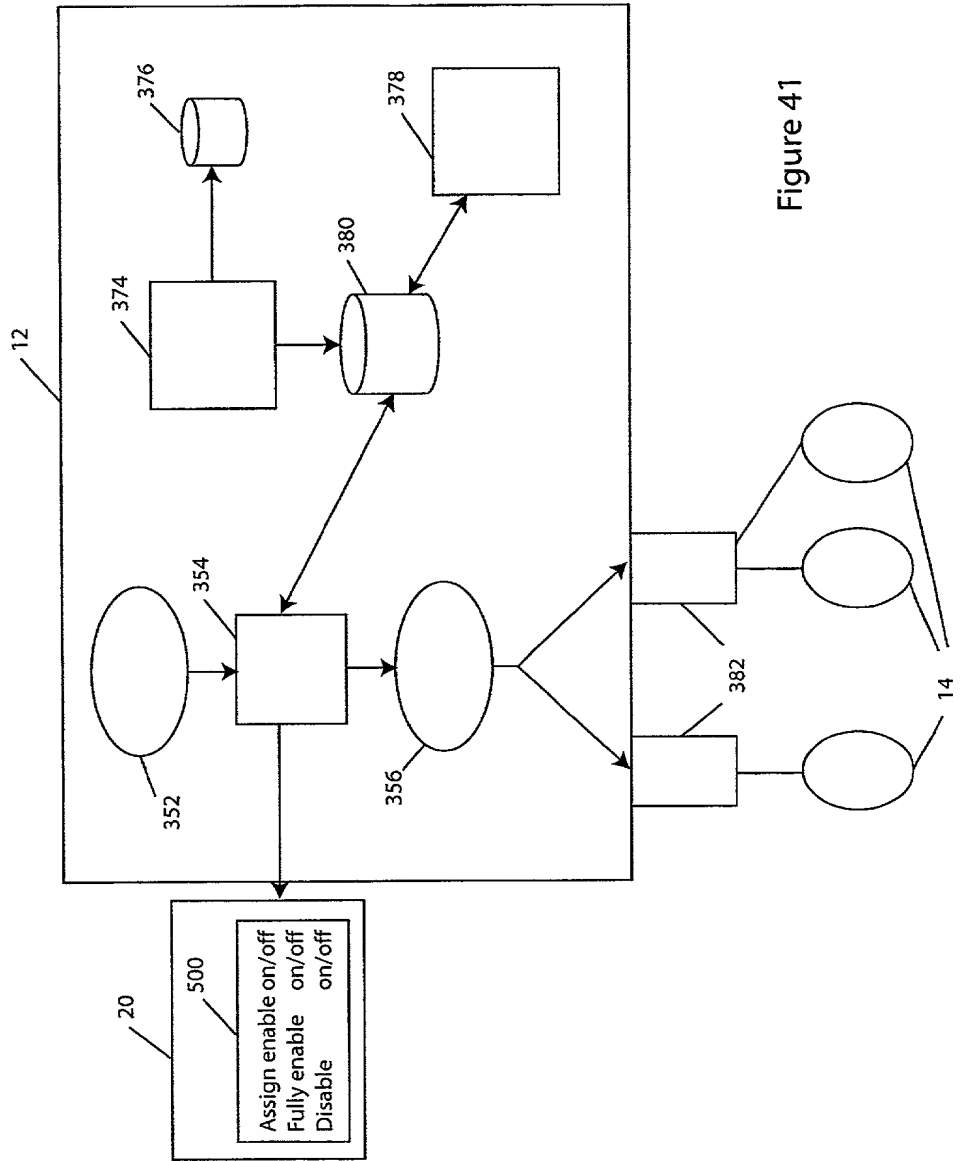


Figure 40

Foot 9822660



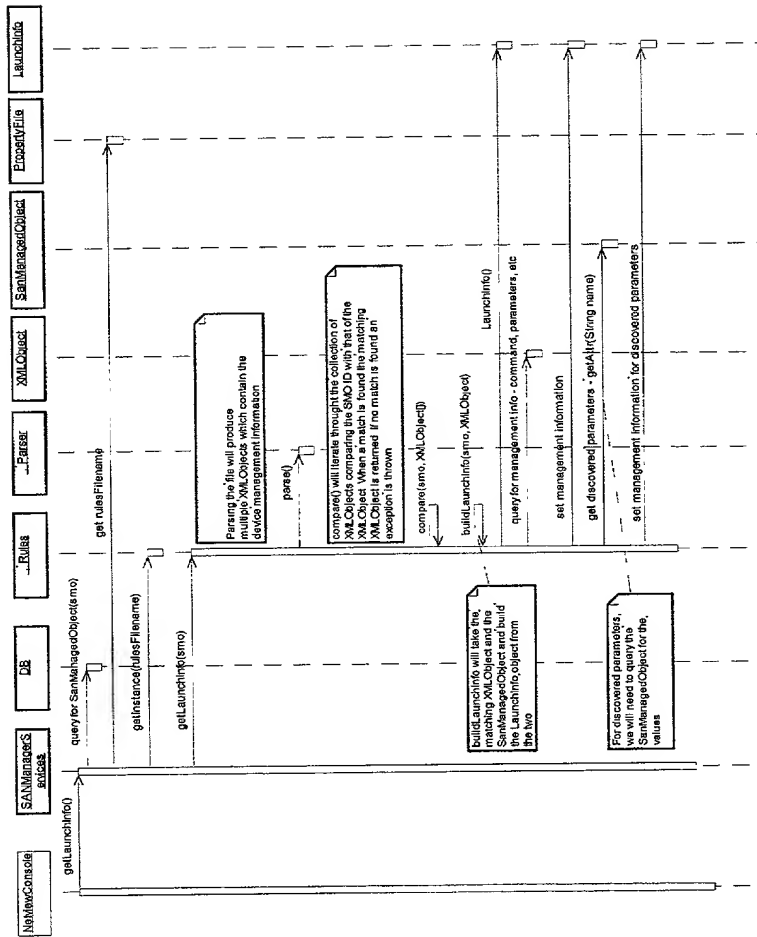


Figure 42

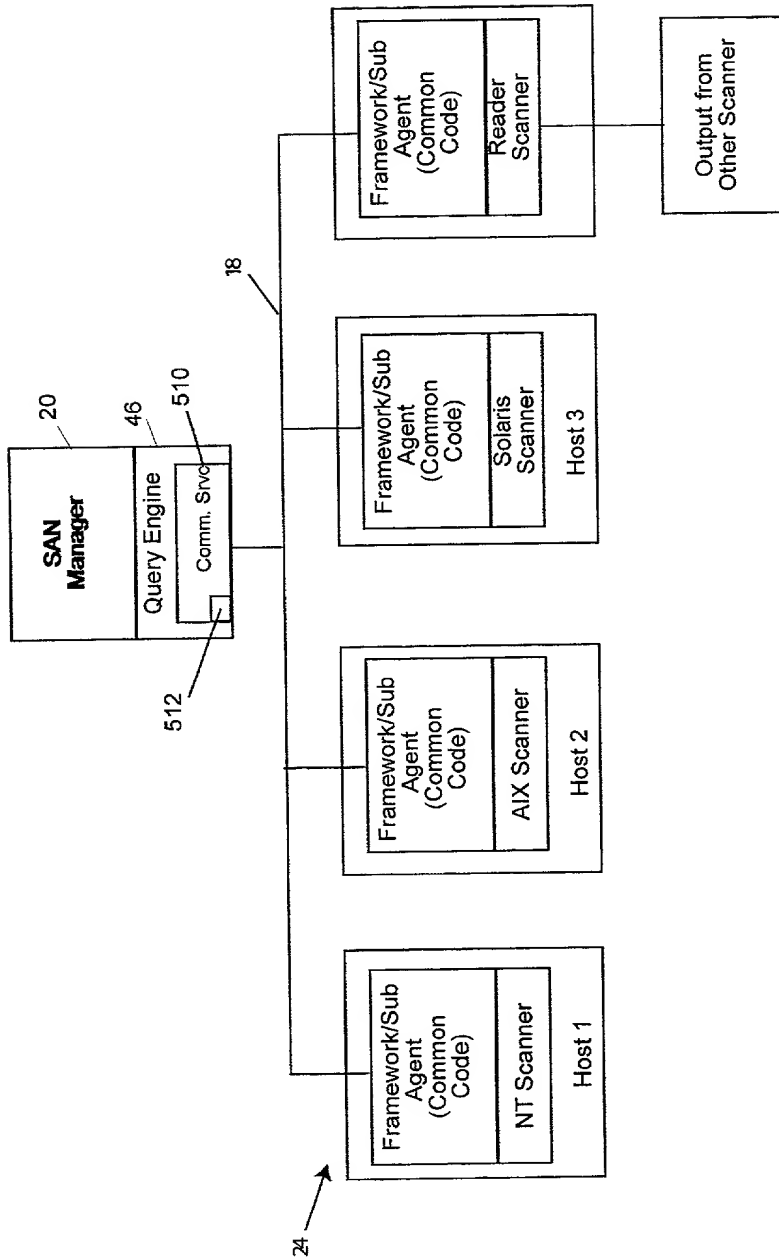


Figure 43